# **Arizona State University**

# Academic Strategic Plan Archive 2016–2017



This document provides an archival record of the Arizona State University academic strategic plan submitted during the 2016–2017 academic year. The Arizona Board of Regents Academic Strategic Plans Policy (2-223) states that this institution is required to submit an annual strategic plan for approval, which includes new academic programs, certain program eliminations and organizational unit changes. Other changes are reviewed as part of ASU's internal academic plan.

Note: Inclusion in this document does not indicate that the program or change has been approved by the university. This document only notates programs and changes which were approved for planning during the 2016–2017 academic plan process.

#### **About this Document**

To navigate this version of the Academic Strategic Plan Archive 2016–2017, refer to the table of contents and the bookmarks provided. The table of contents provides a hyperlinked listing of resources in the order in which they appear in this document. Keyword searches may be employed as an additional means of locating resources within this document.

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Item Name:	2016-2017 Academic Strategic plan for Arizona State University (ASU)
	Action Item Committee Recommendation to Full Board First Read of Proposed Policy Change Information or Discussion Item
	Arizona State University asks the committee to review the 2016-2017 Academic Strategic Plan for Arizona State University and forward to the full board for approval.

#### **Enterprise or University Strategic Plan**

$\boxtimes$	Empower Student Success and Learning
$\boxtimes$	Advance Educational Attainment within Arizona
$\overline{\boxtimes}$	Create New Knowledge
$\overline{\boxtimes}$	Impact Arizona
	Compliance
	Real property purchase/sale/lease
	Other:

#### **Statutory/Policy Requirements**

ABOR Policy 2-223.A, The Academic Strategic Plan

#### **Background/History of Previous Board Action**

ABOR Policy 2-223.A requires each university to annually submit an Academic Strategic Plan to the Academic and Student Affairs Committee for approval. The plan is intended to provide information on the key academic initiatives planned by the institution and describe how they support both the University's strategic plan and the system-wide strategic plan of the Arizona Board of Regents.

#### **Discussion**

The Academic Strategic Plan serves as a primary mechanism by which the Board provides oversight and direction for the academic initiatives and academic mission of each university.

#### **Contact Information**

Mark Searle, Interim Provost, ASU (480) 965-9585 Mark Denke, ABOR (602) 229-2503 The Academic Strategic Plan includes the following requests and information:

- Overview of initiatives to improve learning and educational attainment.
- New academic programs and high demand programs to be eliminated or merged.
- New colleges, schools or departments to be established and colleges, school, or department to be reorganized, merged or disestablished.
- Those academic programs that will be funded with additional state funds or programs fees do require additional approval by the Academic and Student Affairs Committee before they may be implemented or enroll new students. Approval of the program by the ASAC does not constitute approval of program fees; that occurs during the Board's regular fee setting process.
- Academic Strategic Plans may be modified during the year with the approval of the ASAC.

#### **Outline of the Academic Strategic Plan**

Part I – Narrative Overview

- A. Overview of Initiatives to Improve Learning and Educational Attainment
- B. Academic Programs and Organization Unit Overview

Part II - Academic Programs

- A. Academic Programs
- B. High Demand Programs Proposed for Elimination

Part III – Academic Organizational Units

- A. Proposed New Academic Units
- B. Proposed Mergers or Elimination of Units

#### **Requested Action**

Arizona State University asks the committee to review and forward to the full board for approval for approval the 2016-2017 Academic Strategic Plan for Arizona State University, as presented.

# ARIZONA STATE UNIVERSITY ACADEMIC STRATEGIC PLAN 2016-17

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**PARTI** 

# ARIZONA STATE UNIVERSITY ACADEMIC STRATEGIC PLAN 2016-2017

#### NARRATIVE OVERVIEW

#### A. Overview of Initiatives to Improve Learning and Educational Attainment

ASU has emerged as a leader in higher education and consistently ranks as a top school for innovation, affordability, quality of students and academic programs. At the foundation of the honors and rankings ASU receives is the ASU Charter, a set of guiding principles that help create an environment where achievement is measured not by whom we exclude, but rather by whom we include and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities we serve. In keeping with the Enterprise Executive Committee's strategic plan, the 2016-2017 academic plan is based on the goals of driving student educational success and learning, and advancing educational achievement within Arizona.

#### **Driving Student Educational Success and Learning**

Starting fall 2015, first-year students have the opportunity to participate in the ProMod program. In this one-of-a-kind program, students work closely with faculty and fellow students by engaging in projects that apply their learning to real-world situations. The integrated curriculum combines course content and asks students to solve problems. For example, kinesiology students take Kinesiology 101, Psychology 101 and English 101 in their module, and they are developing an evidence-based treatment plan for lower-back pain. They learn about anatomy and treatment through kinesiology, how to get patients to comply in the psychology portion, and how to write concisely and coherently about their work in the English course. Students construct personal portfolios to document achievement of learning outcomes. Through this innovative program, students earn credits that satisfy their general studies and degree requirements but more importantly, they gain real-world experience and develop a deep understanding of the course material. This program is made possible by a \$4 million First in the World grant from the U.S. Department of Education.

The Ira A. Fulton Schools of Engineering have established pioneering degrees in sustainable engineering and built environment, as well as a unique interdisciplinary humanitarian concentration for careers in disaster relief and development. Through strong ties with the industry, endowed faculty positions have been established and filled with accomplished industry professionals. In the electrical engineering program, Accreditation Board for Engineering and Technology (ABET) has commended the senior design experience that draws on industry experts and faculty mentoring as part of the project-based learning. In the engineering management program, supported by the fully engaged

faculty, the national commission has found students to be highly poised, professional and confident. In the manufacturing engineering program, real-time feedback is offered to the faculty on their teaching, and a required internship experience ensures that the graduates are ready to design and offer real-world engineering solutions. In the aerospace engineering program, an innovative assessment has been established wherein students present their capstone project to a panel of assessors, and are then interviewed by the assessors. This simulates strong real world experience and ensures that the graduates are well-prepared and feel confident in advocating for their work and handling feedback.

ASU is leader within the University Innovation Alliance, a consortium of 11 public research universities that spans the geographic, economic, and social diversity of our country. The leadership of these institutions work collaboratively in the identification of new solutions, scaling of proven innovations, and communication of outcomes in order to combat the challenges within the areas student success, retention, and persistence. With particular interest in under-served populations, such as low-income and first generation students, the alliance seeks to help more students have access to and graduate with a high quality, affordable bachelor's degree. ASU's commitment to the twin goals of access and excellence, quickness in the implementation of innovations, and use of data make ASU an important member of the alliance.

To provide access to education to all qualified learners, ASU has partnered with edX to offer an alternative entry to higher education through the Global Freshman Academy. The Global Freshman Academy will allow learners to earn university credit without barriers or restrictions. The academy allows learners to prepare for the university by taking courses before arriving on campus and allows freshman to begin their university degree path by earning credit in a cost effective and flexible way. The inaugural class, "Introduction to Solar Systems Astronomy," started August 2015, with more than 12,400 students enrolled from 163 countries. Future classes include "Human Origins," Western Civilization: Ancient and Medieval Europe," and "College Algebra and Problem Solving."

To support graduate student success, ASU is enhancing its graduate degree progress dashboard so that colleges, schools and departments can monitor student progress and persistence. The new tool will enable programs to develop custom reports on student progress, program of study, student financial support, and time to degree. Information tracked in the dashboard will enhance timely communication with students and facilitate advising by faculty and staff in support of student success. ASU also supports graduate student professional development through the new "Community of Scholars" resource umbrella. The Preparing Future Faculty and Preparing Future Scholars programs provide workshops, seminars and resources to prepare students for careers within and outside of academia. Seminars are geared toward transferrable skills enabling greater success both in their degree program and future employment. Workshops include panels with local industries and employers to explore career options in the region.

#### Advancing Educational Achievement within Arizona

ASU is committed to expanding opportunities for students throughout the state to have access to a high-quality undergraduate education. Ensuring a transparent, successful experience for transfer students from Arizona's public and tribal community colleges is vital. Students throughout the state should have access to the information they need to make a seamless transition to the university without losing any credits in the process. Toward this end, in addition to the existing 500+ curriculum pathways through the Maricopa to ASU Pathway Program (MAPP) and Transfer Admission Guarantee (TAG), we have embedded the transfer experience in learning locations in Yuma and the Gila Valley. We have developed and refined the transfer options, including four curriculum pathways with Diné College and two forthcoming curriculum pathways with Tohono O'odham Community College, and senior administrators are working with the emerging San Carlos Apache College to develop post-secondary learning opportunities for members of the local community. During the 2015-2016 academic year, ASU is undertaking an initiative with the Gardner Institute called "Transfer Matters." which is designed to study all aspects of the transfer student experience and to produce a plan for institutional improvement leading to higher levels of transfer student learning, satisfaction, and graduation.

ASU Colleges@Lake Havasu City opened in 2012 and focuses exclusively on instruction for high-demand undergraduate degrees with lower tuition than at the metropolitan campuses. The initiative aligns with the enterprise metric Goal Two: Advance Educational Achievement Within Arizona by providing community members access to affordable and flexible degree options. The programs in Lake Havasu City promote strong relationships with local school districts and Mohave County Community College to increase opportunities for pathways to an ASU degree. In December 2011, the Board approved an exception to the then existing ABOR policy 2-205 "Off-campus courses and programs" to allow for a five-year period to offer lower division courses at the Lake Havasu site. While ABOR Policy 2-205 has since been repealed, ABOR Policy 2-223 requires approval of a university's academic strategic plan to offer lower division credit courses outside of an established campus in a county served by a community college. ASU seeks removal of the 2017 expiration date and seeks approval to offer all courses necessary for the degree programs at the Colleges@Lake Havasu. The Provost at ASU consulted with the President of Mohave Community College who agreed to these lower division course offerings for another ten years. Barring concerns from Mohave Community College at that time, the courses will continue indefinitely.

Access ASU prepares Arizona students for a university education through its outreach programs and the school district and community partnerships. At ASU, we collaborate strategically with school administrators and educators to increase the number of students eligible for success. Building data frameworks to monitor students' progress towards university eligibility is one of the critical components, and college readiness is increased by engaging with schools, families and students. In 2014-2015, over 40,000

students and their families were served through Access ASU programs, including Collegiate Scholars, Barrett Summer Scholars, American Dream Academy, Future Sun Devil Families, and the Hispanic Mother-Daughter Program. In addition, the new tool for high school students, me3, harnesses technology, game concepts, and data analytics to prepare Arizona students for successful transitions from middle school to high school and to a postsecondary institution while maintaining interest and engagement. In time, me3 will reach over 100,000 high school students with the information they need to be ready for success at the university.

#### B. Academic Programs and Organization Unit Overview

Arizona State University proposes new programs that are aligned with the university's core functions of providing access, ensuring student success, and engaging in education and research for the economic and social benefit of the local and global community. Overall, ASU proposes to add 16 new undergraduate degrees, 16 new master's degrees, and 1 doctoral degree. All new academic programs are reviewed by the curriculum committees in the academic units, colleges, and the university academic senate. The review committees pay close attention to several factors that include the quality of the faculty and staff to launch and sustain viable programs, potential areas of overlap and duplication, and the contribution to the education of undergraduate and graduate students. The institution creates and encourages collaborative degrees and programs that reflect university-wide efforts.

#### **Undergraduate Programs**

STEM is featured in the new degree programs focusing on biotechnology, environmental science, applied quantitative science, and pharmacology and toxicology. Other new degree programs promote economic development through international trade, tourism and recreation management, and the fashion industry. Social advancements are featured in degree programs in innovation in society, counseling, and conflict resolution. Each of these programs helps prepare students for contemporary and successful careers in private, public, and nonprofit settings, and each incorporates the foundations of a solid university education with forward-thinking interdisciplinary inquiry into specialized topics within each major.

In efforts to coordinate with community colleges in the state, all degree proposals undergo a careful review by the curriculum committee at the college level, and that committee is comprised of ASU faculty and a faculty representative of the Maricopa Community Colleges. The community college representative is able to communicate with colleagues throughout the district to plan for transfer pathways. Additionally, degree programs are reviewed annually for the Maricopa to ASU Pathways Program (MAPP) and Transfer Admissions Guarantee (TAG) program which constitutes a built-in mechanism for informing community colleges about program developments.

ASU proposes the establishment of 16 master's programs. Several of the proposed master's degree programs are directly designed to impact Arizona by meeting the needs of our professional constituents in industry, or prepare students for Arizona employers. These include degrees in the areas of business, health, forensics, and recreation and tourism. Thunderbird School of Global Management is proposing an MS in Global Energy Management. The New College of Interdisciplinary Arts and Sciences is proposing an MS in Forensic Psychology geared towards working professionals in the mental health and criminal justice fields. Likewise, the College of Public Service and Community Solutions proposes to offer an online Master of Park and Recreation Management providing public administration experience and recreation management expertise. The College of Liberal Arts and Sciences aims to serve members of the U.S. Military as part of the target audience for a new online MA in The Future of Conflict and Global Security, making higher education more accessible for military personnel.

#### **Doctoral Programs**

ASU proposes the establishment of a PhD in Law and Psychology

#### **PART I**

#### <u>Arizona State University</u> <u>Proposed New Program Summary</u>

PROPOSED NEW PROGRAMS	<u>Degree</u>	<u>College/School</u>	Location of Offering
<u>Undergraduate Programs</u>			
Applied Quantitative Science	BS	College of Letters and Sciences	Polytechnic
Biotechnology and Bioenterprise	BS	New College of Interdisciplinary Arts and Sciences	West
Conflict Resolution	ВА	New College of Interdisciplinary Arts and Sciences	West
Counseling and Applied Psychological Science	BS	College of Letters and Sciences	Polytechnic
Environmental Science	ВА	New College of Interdisciplinary Arts and Sciences	West
Fashion	ВА	Herberger Institute for Design and the Arts	Tempe
History of Science, Ideas and Innovation	ВА	College of Letters and Sciences	Polytechnic
Innovation in Society	BA	School for the Future of Innovation in Society	Tempe
Innovation in Society	BS	School for the Future of Innovation in Society	Tempe

Integrative Social Science	BS	College of Letters and Sciences	Polytechnic
International Trade	BS	Thunderbird School of Global Management	Thunderbird
Marketing and Public Relations	BS	W. P. Carey School of Business and Walter Cronkite School of Journalism and Mass Communication	Tempe/Downtown Phoenix
Pharmacology/Toxicology	BS	New College of Interdisciplinary Arts and Sciences	West
Politics and the Economy	BS	College of Liberal Arts and Sciences	Tempe
Social Justice and Human Rights	ВА	New College of Interdisciplinary Arts and Sciences	West
Tourism and Recreation Management	BS	College of Public Service and Community Solutions	ASU Online
Korean	Minor	College of Liberal Arts and Sciences	Tempe
Graduate Programs			
Computational and Natural Sciences	MS	New College of Interdisciplinary Arts and Sciences	West
Creative Enterprise and Cultural Leadership	MA	Herberger Institute for Design and the Arts	Tempe
Environmental Analytics	MS	College of Letters and Sciences	Polytechnic
Forensic Psychology	MS	New College of Interdisciplinary Arts and Sciences	ASU Online
Global Agribusiness	MS	W. P. Carey School of Business ASU Online	
Global Education	MEd	Mary Lou Fulton Teachers College	Tempe

Global Energy Management	MS	Thunderbird School of Global Management	Thunderbird
Indigenous Education	MA	College of Liberal Arts and Sciences	ASU Online
Integrated Health Care	MIHC	College of Health Solutions	Downtown Phoenix
Integrative Social Science	MS	College of Letters and Sciences	Polytechnic
Law and Psychology	PhD	New College of Interdisciplinary Arts and Sciences	West
Narrative Studies	MA	College of Letters and Sciences	Polytechnic
Park and Recreation Management	MPRM	College of Public Service and Community Solutions	ASU Online
Spanish Language Pedagogy	MA	College of Liberal Arts and Sciences	Tempe
Sustainable Tourism	MST	College of Public Service and Community Solutions	Downtown Phoenix
The Future of Conflict and Global Security	MA	College of Liberal Arts and Sciences	ASU Online
Translational Biomedical Sciences	MS	College of Health Solutions	Downtown Phoenix

EXECUTIVE SUMMARY
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**PART II** 

# University ACADEMIC PROGRAMS

#### **Table 1 - Proposed New Programs**

Name of Proposed Degree (degree type and major)	College/School (location)	Program Fee Required? (Yes or No)	Additional State Funds Required? (Yes or No)	Brief Description/Justification (max 100 words).	Projected 3 <sup>rd</sup> Year Enrollment & Implementation Date
Bachelor of Science in Applied Quantitative Science	College of Letters and Sciences (Polytechnic)	No	No	The BS in Applied Quantitative Science is designed to provide students with skills increasingly in demand in professional environments. Students will acquire sophisticated insight involving statistical inference and quantitative reasoning, creative and informed experimentation in search of innovations, the ability to apply quantitative reasoning to diverse contexts, critical and adaptable thinking for complex problem solving, and communication skills across domains. In addition, the degree may complement degrees in the arts, humanities,	125 2016-2017

				education, and social sciences in order to better prepare ASU graduates for 21st century careers. Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)	
Bachelor of Science in Biotechnology and Bioenterprise	New College of Interdisciplinary Arts and Sciences (West)	No	No	The BS in Biotechnology and Bioenterprise provides students with the interdisciplinary and practical experience in biotechnology research and associated business/entrepreneurship skills to develop and market biotechnological innovations and solutions to problems facing the biotechnology and health sciences communities. The curriculum emphasizes courses not only in the biological and chemical sciences that underpin biotechnology, but also courses in bioethics, communication, sustainability, and entrepreneurship that will ensure graduates are able to thrive in the dynamic marketplace of biotechnology, and is aligned with needs articulated by industry partners. Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)	30 2017-2018
Bachelor of Arts in Conflict Resolution	New College of Interdisciplinary Arts and Sciences (West)	No	No	The interdisciplinary BA in Conflict Resolution helps students develop the analytical perspectives and practical skills required to manage conflict as it arises in interpersonal relationships, communities, and international	60 2017-2018

				relations. The degree combines disciplines such as history and sociology that address the societal and cultural basis of conflict with programs like communication and psychology that explore the cognitive and interpersonal skills necessary to engage effectively in dispute resolution. The BA will prepare students for careers in community relations, diplomacy, mediation, and customer/constituent relations. Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)	
Bachelor of Science in Counseling and Applied Psychological Science	College of Letters and Sciences (Polytechnic)	No	No	The BS in Counseling and Applied Psychological Science will provide students with foundational training in counseling theories, career and lifespan development, cultural diversity, ethical clinical practice, and research methods to address mental health needs of a diverse society. Graduates will pursue employment in community agencies, hospitals, rehabilitation centers, and other behavioral healthcare delivery settings, and they will contribute to nationwide efforts to increase the quality of life while containing healthcare costs. The degree also prepares students who wish to pursue graduate education in various professional programs where they would be license-eligible. Major and Minor. Delivery Method: On Campus (Ground Courses and/or	90 2017-2018

				iCourses)	
Bachelor of Arts in Environmental Science	New College of Interdisciplinary Arts and Sciences (West)	No	No	The BA Environmental Science prepares students to pursue careers in environmental science, including but not limited to positions in government policy, private consulting firms, non-government organizations or academic research environments. The curriculum builds a strong foundation in the natural sciences to understand the biological and chemical functioning of our natural environment, with an additional emphasis on the social, political, and economic dimensions of environmental science. The program also focuses on communication, management, and planning skills that will prepare graduates for leadership careers in environmental science. <i>Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)</i>	30 2016-2017
Bachelor of Arts in Fashion	Herberger Institute for Design and the Arts (Tempe)	Yes	No	The Herberger Institute for Design and the Arts is uniquely positioned to offer a degree that explores fashion from multiple angles. The BA in Fashion will allow students to study fashion as research, industry, design, and as art and artifact. There is significant interest in the degree from the fashion industry, both nationally and internationally, as evidenced by the rapid growth of ASU's coursework in	120 2017-2018

				fashion design. A rigorous and innovative BA in Fashion will attract new students from inside and outside of Arizona and provide an attractive transfer pathway from fashion programs at our community college partners. Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)	
Bachelor of Arts in History of Science, Ideas and Innovation	College of Letters and Sciences (Polytechnic)	No	No	Leveraging the Polytechnic campus place as a hub of innovation, the BA in History of Science, Ideas and Innovation provides students with a grounding in the social and intellectual issues central to understanding the role of science, technology and ideas from past to present. This interdisciplinary degree encourages students to combine coursework in the natural and applied sciences with historical and philosophical approaches to social knowledge. Students majoring or minoring in History of Science, Ideas, and Innovation will graduate with a foundation for advanced work in the humanities, the sciences, or fields bridging written and technical work. Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)	40 2016-2017
Bachelor of Arts in Innovation in Society	School for the Future of Innovation in	No	No	The BA in Innovation in Society provides students with tools and concepts to analyze new and emerging innovations and the diverse	25 2016-2017

	Society (Tempe)			local and global futures they enable from a humanities perspective. Students will be prepared to build more inclusive future societies and develop strategies that link innovation with social needs and values. The curriculum develops multidisciplinary perspectives that synthesize research and theory from the social sciences, humanities, natural sciences, and engineering. Students will learn qualitative methods to investigate how science and technology have shaped and reflect social values, in preparation for careers in public service, business, and industry. <i>Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)</i>	
Bachelor of Science in Innovation in Society	School for the Future of Innovation in Society (Tempe)	No	No	The BS in Innovation in Society provides students with tools and concepts to analyze emerging innovations and the diverse local and global futures they enable. Students will be prepared to build more inclusive future societies and develop strategies that link innovation with social needs and values. The curriculum synthesizes research and theory from the social sciences, humanities, natural sciences, and engineering. Students will build on a competency in a scientific, engineering or quantitative social science field to investigate how science and technology have shaped and	35 2016-2017

				reflect social values, in preparation for careers in public service, business, and industry. <i>Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)</i>	
Bachelor of Science in Integrative Social Science	College of Letters and Sciences (Polytechnic)	No	No	The BS in Integrative Social Science is an emerging degree that works across the social sciences and produces students who are better equipped to handle complex, 21st-century problems. Students will integrate studies in political science, communication, sociology, psychology, women's studies, and history to develop a broad understanding of social systems and how contemporary challenges can be addressed through integrative models of human behavior. Graduates will pursue careers in the public, private and nonprofit sectors where problems need to be resolved from holistic, integrative perspectives. Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)	150 2016-2017
Bachelor of Science in International Trade	Thunderbird School of Global Management (Thunderbird)	No	No	International trade is the exchange of capital, goods and services across borders or territories. In most countries, such trade represents a significant share of gross domestic product (GDP). Trading globally gives consumers and countries the opportunity to be exposed to new markets and products. The BS	150 2016-2017

				in International Trade will provide the necessary skills to develop strategic business processes in international trade and understand its relationship to the global exchange of goods and services. The student will learn to become a strategic thinker and analyst, effective communicator, and team leader focused on management of trade. Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)	
Bachelor of Science in Marketing and Public Relations	W. P. Carey School of Business (Tempe) Walter Cronkite School of Journalism and Mass Communication (Downtown Phoenix)	Yes	No	The BS in Marketing and Public Relations is a unique, co-branded degree offered by the W. P. Carey School of Business and Walter Cronkite School of Journalism and Mass Communication. Business courses in marketing are combined with courses in public relations to provide students with a solid foundation in marketing with specialized knowledge in public relations. Students in this program will develop sophisticated analytical tools to help them understand the business and marketing landscape. They will also be exceptional writers and communicators who have deep familiarity of the cutting-edge approaches to effective public relations. Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)	120 2016-2017

Bachelor of Science in	New College of	No	No	The BS in Pharmacology/Toxicology will	30
Pharmacology/Toxicolo gy	Interdisciplinary Arts and Sciences (West)			provide students with sought-after training in the burgeoning environmental and healthcare sectors. Courses include pharmacology, toxicology, immunology, and advanced genetics, along with applied research.  Students will combine this rigorous scientific training with humanities and social science coursework to enhance communication across disciplinary boundaries, and to prepare students to enter the workplace ready to work collaboratively to find solutions to pressing societal issues. The degree will serve as a gateway for students to enter careers in scientific research with pharmacology or toxicology companies, governmental and non-profit agencies, as well as graduate programs and pharmacy schools. Major and Minor.  Delivery Method: On Campus (Ground Courses and/or iCourses)	2017-2018
Bachelor of Science in Politics and the Economy	College of Liberal Arts and Sciences (Tempe)	No	No	The BS in Politics and the Economy will prepare students for careers that require a sophisticated understanding of the relationship between political systems and economics. The proposed degree responds to the demand that economics majors complement their quantitative and modeling skills with a deeper understanding of political context. A major	125 2016-2017

				feature of the program is that students will have the flexibility to pursue concentrations or minors in other fields such as mathematics, business, healthcare, public policy, and law.  Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)	
Bachelor of Arts in Social Justice and Human Rights	New College of Interdisciplinary Arts and Sciences (West)	No	No	The BA in Social Justice and Human Rights provides professionals, humanists, and social scientists with skills to solve a wide range of social justice and human rights issues domestically and transnationally. Skills include advocacy and leadership as well as trauma intervention to enhance justice and protect human rights within and across organizations, households, nation-states, and social groups. The degree reaches across the areas of critical theory in the humanities and critical social sciences to develop solutions and address situations in which people are marginalized and traumatized. Major and Minor. Delivery Method: On Campus (Ground Courses and/or iCourses)	60 2017-2018
Bachelor of Science in Tourism and Recreation Management	College of Public Service and Community Solutions (Downtown	No	No	The BS in Tourism and Recreation Management is designed to provide students with a broad understanding of critical programmatic areas of study: recreation, tourism, sports, and event planning. The leisure industries have significant	100 2016-2017

	Phoenix)			economic and quality-of-life impacts on communities globally, and provide significant career opportunities for graduates in hospitality, travel and tourism, nonprofit organizations, and governmental agencies focusing on parks and recreation. Through learning technologies, the new degree will provide access to excellent academic programs structured for the online environment and the needs of working professionals. <i>Major and Minor. Delivery Method: ASU Online</i>	
Master of Science in Computational and Natural Sciences	New College of Interdisciplinary Arts and Sciences (West)	No	No	While there is a clear need for cross-training computational and mathematical tools with the life sciences, none exist across ASU, and few nationally. We propose to develop both a stand-alone Master's degree and a 4+1 route to the same degree. We have an immediate high-quality cohort of potential graduate students from New College, while the uniqueness of the MS degree will also attract students nationwide. This degree program represents an extension and formalization of what our faculty already does: advise students at the interface of computation, mathematics and biology. Our diverse, interdisciplinary faculty is uniquely suited to implement this program. Delivery Method: On Campus (Ground Courses and/or iCourses)	20 2017-2018

Master of Arts in Creative Enterprise and Cultural Leadership	Herberger Institute for Design and the Arts (Tempe)	Yes	No	Recent data from the Strategic National Arts Alumni Project indicates an entrepreneurial "skills gap" among art and design graduates that can be met by this program. The survey indicates that while 77% of architecture graduates and 75% of fine arts graduates believe entrepreneurial skills to be important, only 24% and 21% respectively learned these skills as undergraduates. In a recent survey of Herberger undergraduates, 58% of respondents indicated interest or potential interest in the program described here. The program capitalizes on ASU's existing strengths in arts and design entrepreneurship (via the nationally recognized Pave Program and Innovation Space, respectively). <i>Delivery Method: On Campus (Ground Courses and/or iCourses)</i>	40 2016-2017
Master of Science in Environmental Analytics	College of Letters and Sciences (Polytechnic)	No	No	Environmental data is being collected in a quantity and at spatial scales unmatched in human history. This trend will increase given the imminent use of low cost drones and other remote sensing technologies to collect environmental data, and an increasing amount of low cost environmental data available via the Internet. Students completing this graduate degree program will be able to use state of the art techniques to process and mine	25 2016-2017

				large data sets to answer critical environmental questions related to environmental sustainability. <i>Delivery Method: On Campus and ASU Online</i>	
Master of Science in Forensic Psychology	New College of Interdisciplinary Arts and Sciences (West)	Yes	No	As part of a multi-college collaboration focusing on the intersection of law and psychology (http://lawpsych.asu.edu), we are prepared to launch an online professional MS program in Forensic Psychology, an extremely popular subfield of psychology. This will be geared toward working professionals in the mental health and criminal justice fields. The involved faculty are well known in this field which will enhance the international visibility of ASU and the program. This program includes courses in psychology, criminology, and social work and will utilize many existing courses. Delivery Method: ASU Online	90 2017-2018
Master of Science in Global Agribusiness	W. P. Carey School of Business	Yes	No	An online MS in the area of global agribusiness - developed in conjunction with ASU Thunderbird - will focus on the business, economic, and policy aspects of food system to deliver a safe, nutritious, sustainable, and economically accessible food supply to the global population. Emphasis on the value chain from consumer to farm-level production at various levels of size, scale, and efficiency will	60 2017-2018

				be emphasized throughout the curriculum.  Demand for this degree comes from employees of food and agribusiness firms, government agencies, NGOs, and trade organizations representing the food sector. There is currently no similar degree in the marketplace. <i>Delivery Method: ASU Online</i>	
Master of Education in Global Education	Mary Lou Fulton Teachers College (Tempe)	Yes	No	ASU's focus on access and impact makes a Global Education master's the next step in broadening the impact of the Teachers College. It targets individuals wishing to infuse global perspectives into American education or those who want to study and influence policy at a global/comparative level. Graduates will be prepared to bring global perspectives to education within the United States and also to contribute to educational improvement around the world. The Global Education master's degree would prioritize the infusion of global perspectives in regional/national education systems and the design of systems improvement at the regional, national, and global level. Delivery Method: On Campus and ASU Online	30 2017-2018
Master of Science in Global Energy Management	Thunderbird School of Global Management	Yes	No	The Master of Science in Global Energy Management is a blended program with roughly 1/4 of the program offered on ground	35 2016-2017

	(Thunderbird)			and 3/4 offered online. This degree is designed to be attractive to working professionals, providing management skills in the energy sector with a curriculum that focuses heavily on management of the oil and gas industry. This degree plays well to Thunderbird's proven expertise in the oil and gas industries, as well as energy sectors globally. From our executive programs polling, we have seen significant working professional interest in such a degree. Delivery Method: On Campus and ASU Online	
Master of Arts in Indigenous Education	College of Liberal Arts and Sciences (Tempe)	No	No	The online MA degree in Indigenous Education provides students nationwide with advanced training in research, theory, and practice related to Indigenous education as well as the process of schooling. This degree program seeks to explore the contradictions and complexities between the schooling and education processes for Indian Education. The primary audience for this degree are those working in Indian Education, for tribal nations with education programs and those interested in American Indian education. Our faculty collaborate with colleagues nationally and internationally therefore students will have access to a wealth of additional resources at the Master's level. <i>Delivery Method: ASU Online</i>	18 2016-2017

Master in Integrated Health Care in Integrated Health Care	College of Health Solutions (Downtown)	Yes	No	The Master in Integrated Health Care is designed to meet the growing market demand for professionals with the ability to design, implement, evaluate and sustain integrated health care programs. The curriculum is uniquely designed to benefit the careers of both clinicians and managers interested in mastering the skills necessary to meet the Triple Aim of the Accountable Care Act (ACA):  1) improved patient experience of care; 2) improved population health management, and, 3) improved cost of care. This is an applied, professional degree focused on preparing the graduate to enter the emerging integrated health care market successfully. <i>Delivery Method: On-Campus and ASU Online</i>	190 2016-2017
Master of Science in Integrative Social Science	College of Letters and Sciences (Polytechnic)	No	No	This is an emerging degree that integrates studies in the social sciences and produces students who are better equipped to handle complex, 21st-century problems. It is a high-enrollment degree program expected to bring face-to-face students to the polytechnic campus. This degree already exists at the University of Oregon, Pittsburg, Michigan, Florida State, to mention a few. Delivery Method: On Campus (Ground Courses and/or iCourses)	150 2016-2017

Doctor of Philosophy in Law and Psychology	New College of Interdisciplinary Arts and Sciences (West)	No	No	The PhD program in Law and Psychology is a multi-college collaboration focusing on the intersection of law and psychology (http://lawpsych.asu.edu), replacing ASU's existing JD/PhD program. The involved faculty are very well known in this field and this program will immediately be one of the top five in the world, with significant research focused on the intersection of law and behavioral science. The interdisciplinary curriculum incorporates psychology, criminology, social work, and law courses, many already in existence. Delivery Method: On Campus (Ground Courses and/or iCourses)	10 2017-2018
Master of Arts in Narrative Studies	College of Letters and Sciences (Polytechnic)	No	No	Storytelling is a fundamental human way of structuring and communicating information.  Narratives are not only in literature and mythology, but also in religion, history, science, and a wide range of other fields including healthcare (patients almost always describe their condition in narrative form). An interdisciplinary master's degree in Narrative Studies would allow students to both analyze and create narratives across a variety of disciplines. It Graduates will encounter advanced interdisciplinary study in the humanities, and be able to incorporate relevant skills from English, History,	30 2016-2017

				Communication, and Technical Communication, as well as Religious Studies and Philosophy, to their narrative writing skills.  Delivery Method: On Campus (Ground Courses and/or iCourses)	
Master of Park and Recreation Management in Park and Recreation Management	College of Public Service and Community Solutions (Downtown Phoenix)	Yes	No	The degree will be a program jointly offered by the School of Community Resources and Development (SCRD) and the School of Public Affairs comprised of courses from the Master of Public Administration and existing and new courses in recreation management from SCRD. The target audience will be professionals working in public park and recreation agencies at all levels. They will gain the public administration expertise from public administration classes and content in recreation management through course work in SCRD. Due to the different market and the professional nature of the degree it will not impact the existing MS degree. <i>Delivery Method: ASU Online</i>	50 2017-2018
Master of Arts in Spanish Language Pedagogy	College of Liberal Arts and Sciences (Tempe)	No	No	The MA in Spanish Language Pedagogy prepares students to teach in high schools/community colleges. The 33-credit program requires ten courses and a portfolio. It draws on existing courses including Teaching Methodology, Second/heritage Language	30 2016-2017

				Acquisition and Pedagogy, Literary Criticism, and electives in Literature, Linguistics, and Technology in the Classroom. One of the unique aspects of the program is that it includes coursework to prepare teachers to teach heritage learners. Graduates of the MA in Spanish Language Pedagogy will understand the concepts of teaching language and culture and be able to apply them to curricular design and classroom instruction. <i>Delivery Method: On Campus and ASU Online</i>	
Master of Sustainable Tourism in Sustainable Tourism	College of Public Service and Community Solutions (Downtown Phoenix)	Yes	No	We currently have a MAS in Sustainable Tourism available through ASU Online and face-to-face, and this degree will replace it. The curriculum is the same, but given the applied nature of the program we feel the MST designation is more appropriate than the MAS. Students receive a comprehensive education with a focus on the environmental, economic and social aspects of tourism, equipping them with the skills necessary to create pioneering sustainable development solutions to tourism challenges. The program prepares future professionals to meet the increasing demand for people trained in sustainability practices and the application of those practices. <i>Delivery Method: On Campus and ASU Online</i>	50 2017-2018

Master of Arts in The Future of Conflict and Global Security	College of Liberal Arts and Sciences (Tempe)	Yes	No	The Master's in The Future of Conflict and Global Security is an online interdisciplinary program that enables participants to develop analytic skills, theoretical understandings and comprehensive knowledge related to the changing nature of conflict. The program is jointly operated by the School of Politics and Global Studies and the School for the Future of Innovation in Society. It will be marketed to members of the U.S. military, including those deployed abroad. The program links faculty experts from social sciences, engineering, sustainability, history and policy studies, and involves core courses, methods and electives with the option of an individualized capstone project. <i>Delivery Method: ASU Online</i>	40 2016-2017
Master of Science in Translational Biomedical Sciences	College of Health Solutions (Downtown Phoenix)	Yes	No	The Masters of Science in Translational Biomedical Sciences is a one year, 30 credit full-time degree program focusing on the physiology, biochemistry, and clinical science of metabolic disease, from molecular mechanisms underlying metabolic dysfunction to the most recent epidemiological trends and cutting-edge clinical treatments. The main audience will consist of pre-professional students, health care professionals and clinical scientists. Graduates will be able to translate knowledge, mechanisms and techniques	36 2016-2017

				discovered by bench science into new approaches for diagnosis and treatment of metabolic disease within the clinic and community. Delivery Method: On Campus (Ground Courses and/or iCourses)	
Minor in Korean	College of Liberal Arts and Sciences (Tempe)	No	No	The minor in Korean is proposed in response to expressed interest from students and will provide formal recognition for students working in Korean studies. Students are offered courses in Korean language, literature, culture, linguistics, film and religion. The minor will enrich students' perspectives on different cultures and societies at the intellectual level and also equip students with practical knowledge of Korea that will benefit careers in various professions, including academe, government work, international trade, nongovernmental organizations and translations. Delivery Method: On Campus (Ground Courses and/or iCourses)	15 2016-2017

#### Table 2 - High Demand Programs Proposed for Elimination

Program	College/School (location)	Justification/Brief Description (max 100 words)	Impact on Current Students (max 100 words)

# University ACADEMIC ORGANIZATIONAL UNITS

#### **Table 1 - Proposed New Academic Units**

Proposed Unit	Level (College,	Location	Brief Description/	Justification/need	New Resources, if any,
	School, or	(College, School,	Effective Date	(max 100 words)	and Source*
	Department)	etc. where it will be	(max 50 words)		Savings/Efficiencies
		located)			Gained

#### **Table 2 - Proposed Mergers or Elimination of Units**

Unit	Requested	Justification/Brief Description of the	Impact on Current Students	Expected fiscal impact
	Action	proposed action	(max 50 words)	
		(max 100 words)		

**Table 1: Proposed Rename of an Existing Degree** 

Current Program	College/School (location)	Action Requested	Justification/Brief Description	Impact on Current Students
Undergraduate Programs Renar	mes			
Bachelor of Science in Criminal Justice and Criminology	College of Public Service and Community Solutions (Downtown Phoenix)	Rename program to:  Bachelor of Science in Criminology and Criminal Justice	The name of the academic unit is the School of Criminology and Criminal Justice. The purpose of this action is to align the name of the degree with the name of the school.	None.
Bachelor of Science in Environmental Design	Herberger Institute for Design and the Arts (Tempe)	Rename program to:  Bachelor of Science in Design Strategy and Innovation	The new name will reflect minor changes to the curriculum and build on growing interest in design thinking and strategic leadership as core skills undergraduates can carry with them into the workplace.	All students enrolled in the program will be notified by email of the name change, and an explanation of the benefits of the new name will be given.
Bachelor of Science in Forensics	New College of Interdisciplinary Arts and Sciences (West)	Rename program to:  Bachelor of Science in Forensic Science	The School of Mathematical and Natural Sciences requests the name of the BS Forensics be changed to Forensic Science. The current name of the degree, "Forensics" is used more as a colloquialism instead of the name of a profession. "Forensic Science" more accurately describes the field of study and major map content. Additionally, "forensics" is traditionally used to describe the field or oration and public speaking.	The requirements of the program will not change. Current students will graduate with a degree with a more recognizable name within the professional forensic science and education communities.

Bachelor of Science in Health Care Innovation  Graduate Programs Rename	College of Nursing and Health Innovation (Downtown Phoenix)	Rename program to:  Bachelor of Science in Health Innovation	This proposed name change will provide a clearer description of the scope of the degree.  The focus for this degree is innovation in health which includes the full spectrum of health, including wellness and illness care. The current name focuses on innovation in health care, which implies a focus on illness care.	It is anticipated that this change will have a minimal impact on current students. The first group of students will graduate from this degree will be in December 2018. The change will be explained to currently enrolled students, and how the proposed name better defines the scope of their knowledge and skills.	
Current Program	College/School (location	) Action Requested	Justification/Brief Description	Impact on Current Students	
Master of Science in Applied Psychology	Ira A Fulton Schools of Engineering	Rename program to:	The name of Human Systems Engineering better describes the degree as this degree looks at	Students favor the name change as it better reflects the	

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Master of Science in Applied	Ira A Fulton Schools of	Rename program to:	The name of Human Systems Engineering better	Students favor the name change as it better reflects the
Psychology	Engineering	Master of Colones in	describes the degree as this degree looks at engineering through a psychology perspective. The	curriculum and career pathways.
	(Polytechnic)	Master of Science in Human Systems	name change will also align the master's degree with	curriculum and career pathways.
	(i dividenme)	Engineering	the new proposed undergraduate degree by the same	
			name and reflects the intended discipline more directly.	
			We also anticipate that it will be easier for interested	
			students to find our program.	
Master of Science in	College of Liberal Arts and	Rename program to:	While astronomy and astrophysics are strongly	We currently do not have
Astrophysics	Sciences		overlapping, astronomy is more often used to refer to	students enrolled in this
		Master of Science in	the observational aspects of the field, while	program. It was recently
	(Tempe)	Astrophysics and	astrophysics most often refers to its theoretical	reinstated.
		Astronomy	aspects. The requested name change will therefore	
			help the MS program appeal both to students	
			interested in observations and in theoretical work. As	
			such it will broaden the potential applicant pool.	
Master of Advanced Study in	College of Liberal Arts and	Rename program to:	The MAS in GeoDesign was approved on the 2015-2016	None.
GeoDesign	Sciences		Academic Plan. The proposal is currently under review	
		Master of Advanced	for implementation. We are requesting to add the word	
	(Tempe)	Study in GeoDesign	"Planning" to the title to give the new program greater	
		and Planning	specificity since it includes both design and planning.	
			Geo-spatial analysis is very often utilized in planning	

	decisions and that integration is essential for the new	
	program. This was also recognized as needed by the	
	Herberger Institute for Design and the Arts.	

#### **Table 2: Non-High Enrollment Program Disestablishments**

Unit Name	Current Degree Name and Plan Code	Recommended Action (e.g., rename or disestablish) including recommended date for the action. If rename, include proposed name change.	Justification/Brief Description (max 50 words)	Impact on Current Students (max 50 words)
Undergraduate Programs To Be	Disestablished			
New College of Interdisciplinary Arts and Sciences (West)	Bachelor of Arts in American Studies ASAMSBA 05.0102	Disestablish Program	The BA in Social and Cultural Analysis (effective Fall 2015) was developed to be the umbrella degree for three BA programs - American Studies; Ethnicity, Race and First Nations Studies; Women and Gender Studies - that will become concentrations in the new degree.	The 11 BA in American Studies students will continue as such and graduate with their degree in American Studies.
Herberger Institute for Design and the Arts (Tempe)	Bachelor of Arts in Design Studies ARDSNBA 50.0499	Disestablish Program	The BA in Design Studies will be replaced by the updated BS in Design Strategy and Innovation, a degree that will serve students' learning and professional goals much more effectively. The BS in Design Strategy and Innovation will locate these students within The Design School, which will strengthen their connection to faculty and to ASU.	Courses will be managed to allow students to graduate in a timely manner. All new students will be directed to the BS Design Strategy and Innovation, which will greatly improve retention and provide a more natural pathway for those students in design who do not pass their milestone.
Mary Lou Fulton Teachers College	Bachelor of Arts in Education in Early Childhood Education	Disestablish Program	The Mary Lou Fulton Teachers College is in the process of streamlining offerings. The students have other options of completing this type of program, including the BAE in Early Childhood and	This program is closed for applications and students are being guided to a different program. There are currently

(Tempe)	13.1210	Early Childhood Special Education, which makes the students more marketable.		no students enrolled in this program.	
Ira A. Fulton Schools of Engineering (Tempe)	Bachelor of Science in Industrial and Organizational Psychology ECPSYBS 42.2813	Disestablish Program	Once the Human Systems Engineering program is approved, students will be enrolled in that program, and this will no longer be offered.	Students currently enrolled in this program will be moved to Human Systems Engineering. It will not extend their degree program as the curriculum is the same.	
Sandra Day O'Connor College of Law (Tempe)	Bachelor of Science in Legal Studies LWLAWBS 22.0000	Disestablish Program	The BS in Legal Studies was never implemented or offered by the college. No students were admitted to this program.	None. This program was never open to enrollment.	
Graduate Programs To Be Dises	tablished		·		
College of Public Service and Community Solutions (Downtown Phoenix)	Master of Advanced Study in Sustainable Tourism  PPSUSTMAS  52.0903	Disestablish Program	We are proposing a new degree, a Master of Sustainable Tourism that will take the place of the MAS in Sustainable Tourism. The new degree is a better reflection of the professional nature of the program.	None. The curriculum for the new degree will be the same so all courses will still be available.	

#### B. ACADEMIC ORGANIZATIONAL CHANGES

**Table 1: Modified Academic Organizations** 

College/School	Department/School Current Name	Proposed Name	Justification	Impact on Current Students	Fiscal Impact	Proposed Effective Term
W. P. Carey School of Business	Department of Management	Department of Management and Entrepreneurship	The Department of Management has historically offered a degree in Management. Recently, the department introduced a degree in	The new name will better serve the students as it is more easily identifiable. It will allow faculty and staff to serve students better.	None	Fall 2016
(Tempe)			Entrepreneurship. The numbers for Entrepreneurship will likely surpass the numbers in Management. This new name more accurately reflects the programs within the department.	There is no negative impact on students.		
College of Letters and Sciences	College of Letters and Sciences	College of Integrative Sciences and Arts	The proposed name more accurately reflects the work that we do in the college. There should be no negative impact	None.	None.	Fall 2016
(Polytechnic)			on students and/or enrollment. We anticipate it will attract interest from more students.			