Our charter is what we do

ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes 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 it serves.
Our responsibility and public trust

The charter is a **promise** to the citizens of Arizona.

ASU has a **responsibility** to fulfill the requirements of the Arizona Constitution to provide public education.

The responsibility is not one that is conditional upon the actions of the legislature; it is ASU’s responsibility to find the means to fulfill its charter while seeking appropriate and fair public investment in the costs of education for Arizona resident students.
Leverage Our Place
ASU embraces its cultural, socioeconomic and physical setting.

Transform Society
ASU catalyzes social change by being connected to social needs.

Value Entrepreneurship
ASU uses its knowledge and encourages innovation.

Conduct Use-Inspired Research
ASU research has purpose and impact.

Enable Student Success
ASU is committed to the success of each unique student.

Fuse Intellectual Disciplines
ASU creates knowledge by transcending academic disciplines.

Be Socially Embedded
ASU connects with communities through mutually beneficial partnerships.

Engage Globally
ASU engages with people and issues locally, nationally and internationally.
Economic and Social Imperative
Arizona’s educational attainment is lower than most states

Working-Age Population by Educational Attainment by State

Data: Arizona Board of Regents analysis of ACS and CPS data
Per capita GDP correlates with educational attainment

Bachelor’s Degree Attainment and Real Per Capita GDP by State (2016)

Data: US Census Bureau, ACS, S1501 and Bureau of Economic Analysis, Regional Economic Accounts
The future economy will need higher educational attainment

AZ Employment by Occupation, Minimum Education Required & Probability of Job Loss Due to Automation

Size reflects May 2015 employment in Arizona
Red color reflects high chance of job loss due to automation
Data: BLS and Frey and Osborne (2013)
Adults with college degrees earn more

Mean Earnings of Workers 18 Years and Over by Educational Attainment (1975-2016)

Data: US Census Bureau, CPS Historical Time Series Table A-3
65%

Estimated percentage of children who will ultimately perform new types of jobs that do not yet exist.
Arizona lags in state postsecondary investment

Higher Education Spending per $1,000 in Personal Income (FY2016)

Data Source: Center for the Study of Education Policy at Illinois State University
Higher education per capita spending has declined by 75%

Arizona Higher Education Spending per $1,000 in Personal Income (1979-2018)
Educational attainment is unevenly distributed by ethnicity

Arizona’s Educational Attainment By Race (2017)

Data: ASU analysis of 2017 American Community Survey Microdata
Hispanics are Arizona’s fastest growing demographic

Arizona Population Projections by Ethnicity (2018-2055)

Data: Arizona Office of Economic Opportunity
Educational attainment is unevenly distributed by geography

Source: TCU Center for Urban Studies
Investment in ASU is critical to metro Phoenix

Undergraduate Enrollment in the 15 Largest US Metros by School (Fall 2017)
Performance and Accomplishments to Date
ASU partnerships and infrastructure launched in 2018

Barrett & O’Connor Washington Center
UBER – ASU
Knowledge Exchange for Resilience
Watts College for Public Service and Community Solutions
Biodesign C
Roden Crater
ASU excellence earns recognition

#1 in U.S. for innovation
ASU Ahead of Stanford and MIT

Among best graduate schools in the U.S.
—U.S. News & World Report, 2018

Top 1 percent of world’s most prestigious universities
—Times Higher Education, 2018

A top producer of the world’s elite scholars
—Frank Office of National Scholarships Advisement

Top 100 world’s best for research and teaching
—Times Higher Education, 2018

Highest-ever: Sun Devil Athletics Academic Progress rate
—NCAA, 2018

‘Best Bang for Tuition Buck’
—Princeton Review, 2018

Top producer of Fulbright students
—Chronicle of Higher Education, 2018

Top university for undergraduate education
—U.S. News & World Report, 2019

#2 online undergraduate degree program in the nation
—U.S. News & World Report, 2019

A leader in undergraduate education
—Princeton Review, 2019

Top 10 fine arts programs
—U.S. News & World Report, 2018

#5 in the nation for producing the best-qualified graduates
—The Wall Street Journal

Top-10 university for research
—National Science Foundation Education Research and Development rankings
#1 choice of international students
—Institute of International Education, 2018

Top 10 in the U.S., Canada for preparing students in science, tech
—Popular Mechanics

A top school for veterans and military students
—Military Times, 2018

#1 in the world: Thunderbird global management degree
—Times Higher Education / Wall Street Journal, 2019

Top 10 in the world business management
Ahead of Stanford, MIT and UC Berkeley
—Shanghai Ranking, Academic Ranking of World Universities, 2018

A top world university
—Center for World University Rankings

A world leader in executive education
—Financial Times, 2018

Recipient: Carnegie Foundation Community Engagement Classification
—Carnegie Foundation

Top 10 for students studying abroad
—Institute of International Education, 2018

#2 graduate local government management program in the U.S.
—U.S. News & World Report, 2018

#5 online MBA program in nation
—U.S. News & World Report, 2018

#3 producer of TFA teachers
—U.S. News & World Report, 2018

Top producer: Peace Corps volunteers
—Peace Corps Top Volunteer-Producing Colleges and Universities, 2018

A best-in-U.S.: health and well-being programs for students
—Active Minds, 2018
Key areas of ASU accomplishment

**Student Success**
1. Access
2. Affordability
3. Outcomes

**Research**
1. Expenditures
2. Top Rankings
3. Tech Transfer

**Financial Health**
1. Cost Containment
2. Growth in Revenue
3. Growth in Net Assets
Students
ASU is committed to student success

More ASU students are earning prestigious scholarships than ever before

Shantel Marekera
2019 Rhodes Scholarship

Frank Smith III
2018 Marshall Scholar

Charity Bhebhe
2018 Gates Cambridge Scholar

Alexa Scholl
2018 Truman Scholar
Undergraduate enrollment is up 45% in 5 years

Undergraduate Enrollment Actual and Metric Goals
Graduate enrollment is up 46% in 5 years
Freshman class grows in diversity and inclusion

This percentage reflects the entire domestic (in- and out-of-state) freshman class.
Freshman diversity grew markedly in 15 years

First-Time Freshmen Enrollment by Race (Fall 1980 – Fall 2018)
ASU is far more accessible to low-income students

Freshmen Enrollment by Income (2018)

All incomes adjusted to 2018 dollars using CPI.
Number of ASU first-generation students has more than tripled

First-Generation Students at ASU (2002-2018)
ASU is committed to low annual tuition adjustments

Tuition & Fees For New Resident Freshman Entering (Fall 2013 – Fall 2018)

University of Arizona
Northern Arizona University
Arizona State University
ASU gift aid is crucial to affordability

Resident Undergraduates Average Gift Aid Awards by Family Income (2017-2018)

Tuition and Mandatory Fees = $10,800

State Median Income = $67K
First-year freshman retention is nearing 90% goal

First-Year Freshman Retention Rates (2002-2017)
ASU 4-year graduation rate is up 85% since 2002

Resident Freshman Cohort Graduation Rate (2002-2013)
ASU 4-year graduation rate compares well with UIA peers

4-Year Graduation Rate of University Innovation Alliance (UIA)
The number of degrees awarded is up 33% since 2013

Undergraduate and Graduate Degrees by Year (2003 -2025)
Degrees awarded in high demand fields are up 46% since 2013

High Demand Degrees Awarded (2009-2018)

Bachelor's - STEM
- 5,127

Master's - STEM
- 6,376

Masters - Education
- 9,295

Bachelor's - Education

Bachelor's - Health

Masters – Health

Doctoral - STEM

Doctoral - Education

Doctoral - Health

Other

Degrees awarded in high demand fields are up 46% since 2013.
STEM degrees awarded are up 55% since 2013

STEM Degrees Awarded (2009-2018)
**ASU Fulton Schools of Engineering experienced major growth**

### 2009 vs 2018

<table>
<thead>
<tr>
<th>Category</th>
<th>2009</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total enrollment</strong></td>
<td>6,407</td>
<td>22,406</td>
</tr>
<tr>
<td>Undergraduates</td>
<td>4,253</td>
<td>17,960</td>
</tr>
<tr>
<td>Graduates</td>
<td>2,154</td>
<td>4,446</td>
</tr>
<tr>
<td>Degrees granted</td>
<td>1,391</td>
<td>4,197</td>
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<tr>
<td>Research expenditures</td>
<td>$73M</td>
<td>$104M</td>
</tr>
<tr>
<td>T/TT faculty</td>
<td>214</td>
<td>350</td>
</tr>
</tbody>
</table>

*Numbers reflect Fall enrollment and degrees granted/awarded for selected years.*
ASU produces groundbreaking research

Game-changing, use-inspired discovery happens here

Solar Cell Record

Discovery of earliest stars

Cancer-fighting nanorobot
ASU research expenditure growth has been rapid

Research Expenditures has Doubled Every 6-8 Years (in Millions)
ASU research expenditure growth is competitive

Higher Education Research and Development Rankings (2017)

Total Research Expenditures: 44 of 876 ahead of

University of Chicago, Brown, Princeton University, Caltech, University of Colorado, Boulder, Case Western Reserve, and University.

Total Research Expenditures among Institutions without a Medical School: 9 of 718 ahead of

Caltech, Princeton University, Carnegie Mellon University, The Rockefeller University, and University of Notre Dame.

Non-Medical School Expenditures: 22 of 876 ahead of

Stanford University, Columbia University in the City of New York, Rutgers University, The University of North Carolina at Chapel Hill, The University of Arizona, and The Ohio State University.
Education: 17 of 446 ahead of

UCLA  UNIVERSITY OF OREGON  TEXAS  MIT  UCDAVIS

Geological and Earth Sciences: 2 of 344 ahead of

Stanford University  MIT  Penn State  VIRGINIA TECH.

Engineering Expenditures: 19 of 385 ahead of

Cornell University  Caltech  Stanford University  Carnegie Mellon University  Rutgers

Electrical, Electronic, and Communications Engineering: 7 of 283 ahead of

Stanford University  Carnegie Mellon University  MIT  VIRGINIA TECH.  ILLINOIS  PURDUE  UNIVERSITY  THE UNIVERSITY OF ARIZONA.
HHS (including NIH) Funded Expenditures among Institutions without a Medical School:

9 of 408 ahead of

- Princeton University
- Georgia Tech
- Carnegie Mellon University
- Brandeis University
- University of Colorado Boulder

NASA Funded Expenditures: 10 of 427 ahead of

- Stanford University
- Georgia Tech
- UCLA
- Columbia University in the City of New York
- University of Washington
- Utah State University
- The University of Alabama at Birmingham

NSF Funded Expenditures: 23 of 579 ahead of

- Harvard University
- The University of Chicago
- Princeton University
- The University of North Carolina at Chapel Hill
- The University of Arizona
- Penn University
DOE Funded Expenditures: **29 of 345** ahead of

- Yale
- Columbia University in the City of New York
- Carnegie Mellon University
- UC Davis
- Colorado School of Mines
- Washington State University
- The University of Arizona

DOD Funded Expenditures: **33 of 450** ahead of

- Cornell University
- Princeton University
- Yale
- Wake Forest University
- AFIT
- Texas A&M University
- The University of Arizona
ASU outperforms the median of its peers in tech transfer
Financial Health
ASU demonstrates financial health

Entrepreneurial and philanthropic strategies support success
ASU uses 17% fewer resources per degree awarded than the national median

Tuition & State Appropriation per Degree Awarded (FY2017) Public Very High Research Universities

source: IPEDS
ASU uses 8.3% fewer resources per degree awarded than the median for universities without a medical school

<table>
<thead>
<tr>
<th>University</th>
<th>Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>UC Berkeley</td>
<td>$0</td>
</tr>
<tr>
<td>Maryland</td>
<td>$20,000</td>
</tr>
<tr>
<td>Rutgers</td>
<td>$40,000</td>
</tr>
<tr>
<td>UC Santa Cruz</td>
<td>$60,000</td>
</tr>
<tr>
<td>Purdue</td>
<td>$80,000</td>
</tr>
<tr>
<td>Georgia Tech</td>
<td>$100,000</td>
</tr>
<tr>
<td>Clemson</td>
<td>$120,000</td>
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<tr>
<td>Indiana</td>
<td></td>
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<tr>
<td>Nebraska</td>
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<tr>
<td>Texas A&amp;M</td>
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<tr>
<td>Texas Tech</td>
<td></td>
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<tr>
<td>Albany</td>
<td></td>
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<tr>
<td>Colorado</td>
<td></td>
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<tr>
<td>LSU</td>
<td></td>
</tr>
<tr>
<td>Oregon</td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td></td>
</tr>
<tr>
<td>Oregon State</td>
<td></td>
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<tr>
<td>KSU</td>
<td></td>
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<tr>
<td>WSU</td>
<td></td>
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<tr>
<td>Arkansas</td>
<td></td>
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<tr>
<td>UI Urbana</td>
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<tr>
<td>Iowa State</td>
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<tr>
<td>Oklahoma</td>
<td></td>
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<tr>
<td>UT-Austin</td>
<td></td>
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<tr>
<td>ASU</td>
<td></td>
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<tr>
<td>George Mason</td>
<td></td>
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<tr>
<td>UT-Dallas</td>
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<tr>
<td>Houston</td>
<td></td>
</tr>
<tr>
<td>Texas Tech</td>
<td></td>
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<tr>
<td>Texas A&amp;M</td>
<td></td>
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<tr>
<td>Texas Tech</td>
<td></td>
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<tr>
<td>North Texas</td>
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<tr>
<td>UW-Milwaukee</td>
<td></td>
</tr>
<tr>
<td>UT-Arlington</td>
<td></td>
</tr>
</tbody>
</table>

source: IPEDS

Tuition, Fees, & State Appropriations per Degree Awarded Very High Research Public (FY 2017)
Cost discipline, application of technology, and economies of scale are projected to maintain current cost levels.
For 5 years, ASU has operated with about half the staff per student as its peers

FTE Employees Per 100 FTE Students (FY2012 - FY2018)
ASU is highly efficient in its use of space compared to its peers

**Space Density: Net Assignable Square Footage by FTE**

![Bar chart comparing space density among universities, with ASU having the lowest square footage per FTE.]
ASU has grown and diversified its revenues over the last decade

ASU Gross Revenues: All Funds (FY2008 & FY2018)
The Campaign ASU 2020 goal of $1.5B has been exceeded

ASU Gifts and Commitments (2011-2025)

Goal

Online
ASU’s net position has doubled since 2009

Net Position and Component Units in Millions (2009-2018)
ASU has made substantial progress on its metric goals since 2008-09

- Freshmen Retention Rate: 90%
- Undergraduate Enrollment: 98,200
- Graduate Enrollment: 26,805
- Total Enrollment: 125,005
- 6yr Graduation Rate: 75%
- Bachelor Degrees Awarded: 21,430
- Graduate Degrees Awarded: 10,670
- Ed & Related Exp per Degree: $63,918
- AZ CC Trans Award Bach Degrees: 5,346
- Licenses & Options Executed: 100
- Public Services Activity: $50.6 million
- Research Activity: $815.0 million
- Degrees in High Demand Fields: 15,071
- Graduate Degrees Awarded: 10,670
- Total Enrollment: 125,005
- 6yr Graduation Rate: 75%

08/09’ Actual
17/18’ Actual
2025 Goals
ASU 2025 Goals
ASU’s approach is driven by its mission and goals

Demonstrate **leadership** in academic excellence and accessibility

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

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

Enhance our **local impact** and social embeddedness
Progress is measured against ASU's 2025 metric goals

Demonstrate leadership in academic excellence and accessibility

- Maintain the fundamental principle of accessibility to all students qualified to study at a research university.
- Maintain university accessibility to match Arizona’s socioeconomic diversity, with undifferentiated outcomes for success.
- Improve freshman persistence to greater than 90 percent.
- Enhance university graduation rate to greater than 85 percent and more than 32,000 graduates.
- Enhance quality while reducing the cost of a degree.
- Enroll 100,000 online and distance-education degree-seeking students.
- Enhance measured student development and individual student learning to national leadership levels.
- Engage all learners on all levels.
Establish **national standing** in academic quality/impact of colleges/schools in every field

- Attain national standing in academic quality for each college and school (top 5 percent).
- Attain national standing in the learning value added to our graduates in each college and school.
- Become the leading university academically (faculty, discovery, research, creativity) in at least one department or school within each college and school.
Establish ASU as a **global center** for interdisciplinary research, discovery and development

- Become the leading American center for discovery and scholarship in the integrated social sciences and comprehensive arts and sciences.
- Enhance research competitiveness to more than $815 million in annual research expenditures.
- Transform regional economic competitiveness through research and discovery and value-added programs.
- Become a leading American center for innovation and entrepreneurship at all levels.

Progress is measured against ASU's 2025 metric goals
Progress is measured against ASU's 2025 metric goals

Enhance our local impact and social embeddedness

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

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

• Meet the needs of 21st-century learners through the universal learner initiative by increasing individual success through personalized learning pathways and promoting adaptability to all accelerated social-technical changes.
The 2025 metrics require ASU to increase its proportional share of performance

**Share of Total Enrollment**

- Act 08-09' to Act 24-25'
- Goal 08-09' to Goal 24-25'

**Share of Total Degrees**

- Act 08-09' to Act 24-25'
- Goal 08-09' to Goal 24-25'

**Share of High Demand Degrees**

- Act 08-09' to Act 24-25'

**Research Expenditures**

- Act 08-09' to Act 24-25'

---

University of Arizona
Northern Arizona University
Arizona State University
What It Will Take
## ASU will continue to lead as an enterprise

### Higher Education Governance Logic

<table>
<thead>
<tr>
<th>Academy Model</th>
<th>State Control Model</th>
<th>Market Model</th>
<th>Enterprise Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Animating Purpose</strong></td>
<td>Enlightenment of individual students</td>
<td>Organizational preservation</td>
<td>Profit maximization for owners and shareholders</td>
</tr>
<tr>
<td><strong>Path to Achieving Public Value</strong></td>
<td>Immersive instruction</td>
<td>Achievement of state-specified goals</td>
<td>Efficiency and cost reduction</td>
</tr>
<tr>
<td><strong>Assumptions of Faculty</strong></td>
<td>Self-governing professionals</td>
<td>Bureaucrats responding to rules</td>
<td>Commodity labor; faculty not entrepreneurial</td>
</tr>
<tr>
<td><strong>Assumptions of Management</strong></td>
<td>Management drawn from and blended with faculty</td>
<td>Traditional public managers distinct from faculty</td>
<td>Professional management distinct from faculty and acting entrepreneurially</td>
</tr>
<tr>
<td><strong>Accountability Mechanisms</strong></td>
<td>Faculty and Management Professionalism</td>
<td>Audits, public reporting, standardized testing</td>
<td>Student choice, standardized testing</td>
</tr>
<tr>
<td><strong>Primary Funding Mechanisms</strong></td>
<td>Enrollment funding from state, endowments</td>
<td>Enrollment funding from state</td>
<td>Vouchers, performance based funding from state</td>
</tr>
<tr>
<td><strong>Organizational Scale of Impact</strong></td>
<td>Individual or groups of individuals</td>
<td>Community or state</td>
<td>Indeterminate, any scale from which profit can be derived</td>
</tr>
</tbody>
</table>
ASU continues to diversify its revenue sources

ASU continues to grow nationally

Colleges at ASU
- Multiple theme campuses
- World-class research campus

LA Center and Global City

Eco / Sustainability Campuses

DC Center and Global Center
ASU strengthens its core while growing as an enterprise
ASU continues its operational focus on expanding each unit

Example: Knowledge Enterprise
Deep dive: Expanding ASU’s research

Focus Areas

Mega Projects
- Green Chemistry
- Ubiquitous Health Technology
- Global LightWorks Laboratory
- Water for the Future
- Human Security Collaboratory

Solution Projects
- Lunar Reconnaissance Orbiter Camera (LROC)
- THEMIS Phase E Budget
- The MasterCard Foundation Scholars Program
- Quantum Energy and Sustainable Solar Technologies (QESSST)
- Center for Bio-Mediated and Bio-Inspired Geotechnics (CBBG)
- Center for Membrane Protein Drug Discovery (MEDD)
- Integrated Biosimetry System (IBIS) for High Throughput Medical Care After Radiologic and Nuclear Events

Foundation Projects
- Effects of meditative movement on fatigued breast cancer survivors
- Morphological consequences of hybridization in primate and human evolution
- Identification of Alzheimer’s disease causes based on ApoE gene
- Obesity intervention focused on Latino youth
- Online marketplaces and mobile apps to reduce food waste
- Building leadership for change through school immersion
- Group size, scaling of work and metabolism in ant colonies
- Wireless brain implant for neurological disorders
- Preparing scholars for academia and beyond
- Adaptive multi-paddock grazing research project
- Using victim advocacy clinics and institutionalized training
- Expand Native American participation in solar energy
- Linking current and future hydrologic change to hydropower
- The WEAmericas Accelerator
- Responsible research and innovation in practice
ASU advances expansive and integrated research initiatives

Institutes/Initiatives

Biodesign Institute (BDI)
Global Futures Initiative (GFI)
Julie Ann Wrigley Global Institute of Sustainability (GIOS)
Global Security Initiative (GSI)
Institute for Social Science Research (ISSR)
Institute for Humanities Research (IHR)
NewSpace Initiative
Interplanetary Initiative
MacroTechnology Works
Decision Theater Network
Complex Adaptive Systems Initiative (CAS@ASU)
Institute for the Science of Teaching & Learning (ISTL)
The McCain Institute for International Leadership

Emerging Transdisciplinary Programs

Automated System
Health Informatics
Smart Cities
Humanitarian Logistics
Biodesign
Resilience
Global Security
Future of Work
ASU expands partnerships with a myriad of corporations

<table>
<thead>
<tr>
<th>Adidas</th>
<th>Fulton Homes Inc.</th>
<th>Pinnacle Airlines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amazon</td>
<td>General Electric Company</td>
<td>Raytheon</td>
</tr>
<tr>
<td>American Express</td>
<td>Google, Inc</td>
<td>Salt River Project</td>
</tr>
<tr>
<td>Apple</td>
<td>Honeywell</td>
<td>Starbucks</td>
</tr>
<tr>
<td>AT&amp;T Inc</td>
<td>IBM Corporation</td>
<td>Shell Oil Company</td>
</tr>
<tr>
<td>Avnet, Inc</td>
<td>Intel Corporation</td>
<td>Southwest Airlines</td>
</tr>
<tr>
<td>Bank of America</td>
<td>JPMorgan Chase</td>
<td>Sky Harbor Airport</td>
</tr>
<tr>
<td>Bashas</td>
<td>Liberty Mutual Insurance Group</td>
<td>Spirit Airlines</td>
</tr>
<tr>
<td>Boeing</td>
<td>Lockheed Martin Corporation</td>
<td>Ticketmaster</td>
</tr>
<tr>
<td>CenturyLink</td>
<td>Microsoft Corporation</td>
<td>Uber</td>
</tr>
<tr>
<td>Chevron</td>
<td>NTS</td>
<td>United Airlines</td>
</tr>
<tr>
<td>Cisco Systems, Inc.</td>
<td>PayPal</td>
<td>Verizon</td>
</tr>
<tr>
<td>Dell</td>
<td>PepsiCo</td>
<td>Vanguard</td>
</tr>
<tr>
<td>Edward Jones</td>
<td>PetSmart</td>
<td>Wal-Mart Stores, Inc</td>
</tr>
</tbody>
</table>
ASU grows the Fulton Schools of Engineering

School of Biological and Health Systems Engineering
- 918 Students
- 759 Undergraduate
- 159 Graduate

School of Computing, Informatics, and Decision Systems Engineering
- 6,735 Students
- 5,276 Undergraduate
- 1,459 Graduate

School of Electrical, Computer and Energy Engineering
- 3,324 Students
- 2,340 Undergraduate
- 984 Graduate

School for Engineering of Matter, Transport and Energy
- 3,820 Students
- 3,154 Undergraduate
- 666 Graduate

School of Sustainable Engineering and the Built Environment
- 1,734 Students
- 1,321 Undergraduate
- 422 Graduate

The Polytechnic School
- 5,454 Students
- 5,088 Undergraduate
- 366 Graduate

- Biomedical Engineering
- Biological Design
- Computer Engineering
- Computer science
- Computer systems Engineering
- Engineering Management
- Industrial engineering
- Informatics
- Robotics
- Software Engineering
- Electrical Engineering
- Computer Engineering
- Robotics
- Aerospace Engineering
- Chemical Engineering
- Materials Science and Engineering
- Mechanical Engineering
- Robotics
- Solar Energy Engineering and Commercialization
- Civil Engineering
- Construction Engineering
- Construction Management
- Environmental Engineering
- Sustainable Engineering
- Aviation Programs
- Engineering Programs
- Environmental and Resource Management
- Global Technology and Entrepreneurship
- Graphic Information Technology
- Human Systems Engineering
- Information Technology
- Robotics
- Management of Technology
- User Experience

6 interdisciplinary programs
25 undergraduate programs
41 graduate programs
2 campuses + ASU Online

Advancing engineering design on a global scale

“The Engineering and Design Institute: London (TEDI)”

Produce new kinds of graduates:
- Creators and innovators
- Entrepreneurs and problem solvers
- Global citizens who are the engineers and technologists of the future

Attract new kinds of learners:
- Diverse
- International
- Attract students with the ‘engineering design mindset’ and build skills along their learning path
ASU advances expanded digital pathways for all learners
ASU evolves the universal learning initiative

ASU is currently designing demonstration projects with corporate and nonprofit partners to test the bundling of learning enterprise assets to meet their needs and engage new types of learners. These projects will:

1. **Forge industry partnerships to remove barriers to learning**
   Hub for network of learning providers connecting employers and their employees directly with in-demand skills training and credentials.

2. **Develop technology to advance and scale personalized learning**
   Flexible and rigorous online offerings and offer high school courses through a direct-to-learner model.

3. **Create new pathways to expedite learning**
   Translate informal learning to shorten time-to-completion with college level courses starting with the MAT 117 College Algebra and Problem Solving course.

4. **Reimagine delivery models**
   Pilot learning centers that serve as in-person hubs to augment digitally delivered undergraduate degrees with a suite of student support services such as success coaching.
ASU adds new, high quality online programs

Fall 2018
- Art (Digital Photography), BFA
- Business Economics, BS
- Computer Information Systems, BS
- Digital Audiences, BS
- Economics, BS
- Electrical Engineering (Electric Power and Energy Systems), BSE
- Geographic Information Science, BS
- Religious Studies (Religion, Culture, and Public Life), BA
- Speech and Hearing Science, BS
- Tourism and Recreation Management, BS
- Communication, Minor
- Global Studies, Minor
- Technical Communication, Minor
- Computer Science, MCS (Coursera)
- Digital Audiences Strategy, MS
- Global Technology Development – Applied International Dev, MS
- Indigenous Education, MA
- Information Technology, MS
- Medical Nutrition, MS
- Special Education (Applied Behavior Analysis), MA
- Digital Audiences Strategy, Graduate Certificate
- Global Development and Innovation, Graduate Certificate

Spring 2019
- Supply Chain Management, BS
- Technological Entrepreneurship and Management, Minor
- Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA
- International Health Management, MIHM
- World War II Studies, MA

Summer 2019
- MEd, Elementary Education (1-8) InMAC degree

Fall 2019
- Applied Sciences (Early Childhood Studies), BAS
- Applied Science (Graphic Information Technology), BAS
- Astronomical and Planetary Sciences, BS
- Business (Human Resources Management), BA
- Global Management, BGM
- Physics, BS
- Mathematical Concepts of Engineering, Undergraduate Certificate
- Petroleum Engineering, Undergraduate Certificate
- American Media and Popular Culture, MAS
- Art History, MA (LA County Museum of Art - LACMA)
- Complexity Studies, MS (Santa Fe Institute)
- Global Education, MEd
- Graphic Information Technology, MS
- Modern Energy Production and Sustainable Use, MS
- Program Evaluation and Data Analytics, MS
- User Experience, MS
- Addiction and Substance Use Related Disorders, Graduate Certificate
- Applied Prevention Science, Graduate Certificate

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Moderate increases in State investment to sustain current levels of financial aid and tuition growth

State Appropriation per Resident FTE (2004-2018)