



2023

Year in review

Highlights from another year of innovative breakthroughs

2023 By the numbers

Top 5 on **The Best Colleges for Future Leaders** list among public universities

ASU along with University of Michigan, UC Berkeley
and University of Texas

- TIME, 2023

A **leader** in undergraduate education

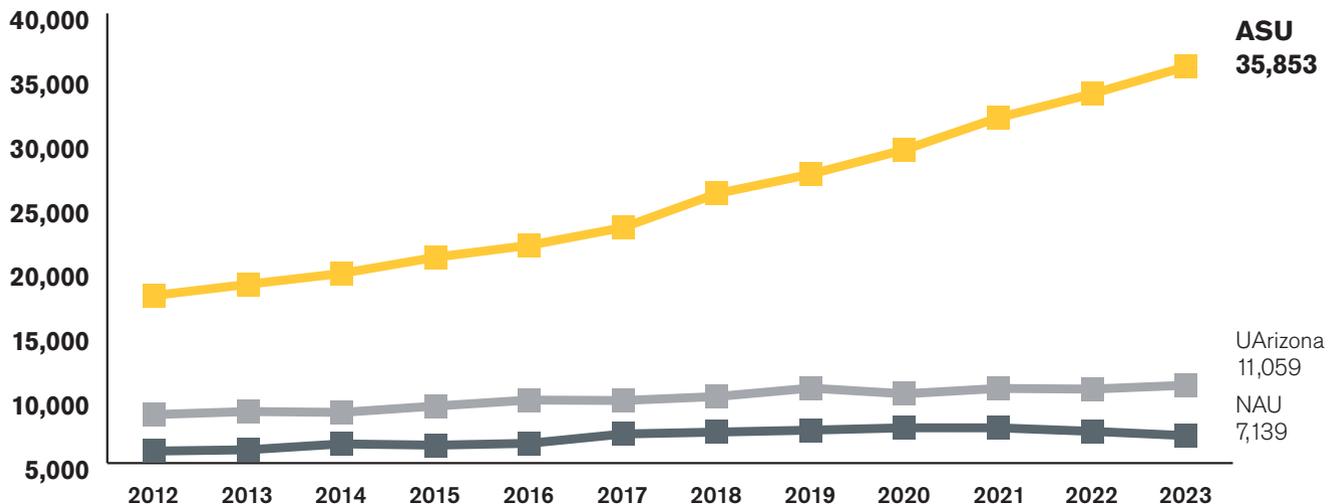
- THE PRINCETON REVIEW, 2023

Top producer of graduates

ASU serves learners in all 50 states plus Washington D.C., Guam, Puerto Rico and the US Virgin Islands. With a total number of 605,423 alumni in 2023, ASU annually graduates thousands of innovators who excel in engineering, business, education, the arts and other fields. In 2022-23, ASU awarded 23,579 undergraduate degrees and 12,274 graduate degrees

- ASU OFFICE OF INSTITUTIONAL ANALYSIS, ARIZONA UNIVERSITY ANALYTICS AND INSTITUTIONAL RESEARCH, NAU INSTITUTIONAL RESEARCH AND ANALYSIS

Degrees awarded



All figures are based on Integrated Postsecondary Education Data System reporting

ASU is

Repeatedly ranked



#1 ranking on more than 20 national and international lists in the last three years

Top 10 in the U.S. ranking for 37 programs

Top 25 in the U.S. for 81 degree programs

– U.S. NEWS & WORLD REPORT, 2023–24

#1 innovation

ASU ahead of MIT and Stanford

– U.S. NEWS & WORLD REPORT, 2016–24

#1 sustainability

ASU ahead of Stanford and UC Berkeley

– SUSTAINABILITY TRACKING, ASSESSMENT & RATING SYSTEM, 2023

#1 global impact

ASU ahead of MIT and Penn State

– TIMES HIGHER EDUCATION, 2020–23

#1 largest pipeline of engineering and tech talent in the U.S.

ASU ahead of MIT, Stanford and UCLA

– AMERICAN SOCIETY FOR ENGINEERING EDUCATION

#1 journalism school in top overall awards for news

ASU ahead of Syracuse, University of Florida and USC

– BROADCAST EDUCATION ASSOCIATION, 2023

#1 homeland security and emergency management

ASU ahead of George Washington University,

Columbia University and USC

– U.S. NEWS & WORLD REPORT, 2024

#1 for best online bachelor's in business programs

ASU ahead of Penn State University-World Campus

and The University of Arizona

– U.S. NEWS & WORLD REPORT, 2023

#1 educational administration online master's

ASU ahead of Michigan State University, University of

Virginia and University of Wisconsin

– U.S. NEWS & WORLD REPORT, 2023

#1 instructional media online master's

ASU ahead of University of Florida, Michigan State

University and University of Virginia

– U.S. NEWS & WORLD REPORT, 2023

More rankings at asu.edu/rankings.

2023

By the numbers

Economic impact

\$2+ billion
of economic
output

has been generated within
Arizona from ASU-linked
companies to date

– SKYSONG INNOVATIONS

Nearly
\$1.3 billion
in external
funding
for 230+ ASU
startup companies
facilitated to date



– SKYSONG INNOVATIONS

Philanthropy for education

\$39.3 million

raised to support student
scholarships in FY23



7,406 current students
impacted by scholarships

\$379.3 million

in new gifts and
commitments

for students, faculty, research
and community programs in FY23

107,529

individual, corporate and
foundation donors in FY23

Research impact

ASU is
one of the
fastest-
growing
research
enterprises



in the U.S.
with more
than **\$879M**
total research
expenditures

– ASU KNOWLEDGE ENTERPRISE IN FY23

Top 5 for inventions,
patents, patent
deals and startups
among universities without a
medical schools

ASU ahead of Georgia Tech,
UC Berkeley and Princeton

– ASSOCIATION OF UNIVERSITY TECHNOLOGY
MANAGERS, 2023

1,551 new
U.S. patents*

with 160 new patents in FY23

– U.S. PATENT AND TRADEMARK
OFFICE

*From July 1, 2002 to Oct. 20, 2023



Academic excellence

A **'Top producing'**
university of
elite scholars for
10 consecutive
years

ASU along with
Caltech, MIT and North
Carolina State

– LORRAINE W. FRANK
OFFICE OF NATIONAL
SCHOLARSHIP
ADVISEMENT, 2023

1 of 9 top
producers
of Fulbright
awards for
both students
and faculty
among doctoral
institutions

– CHRONICLE OF HIGHER
EDUCATION, 2023

Marshall Scholar
to tackle global
water crisis

Katie Sue Pascavis is one
of 40 students selected
nationwide and will pursue
a Master of Philosophy in
engineering for sustainable
development at Cambridge
and a Master of Science in
water, sanitation and health
engineering at the University
of Leeds.



ASU selected for Association of American Universities

The association selected ASU into its membership, **comprising 71 of the nation's top research universities, including Harvard, Stanford, MIT, Johns Hopkins and UCLA.** During the past two decades, ASU has increased the scale and scope of its research activity nearly six times over.

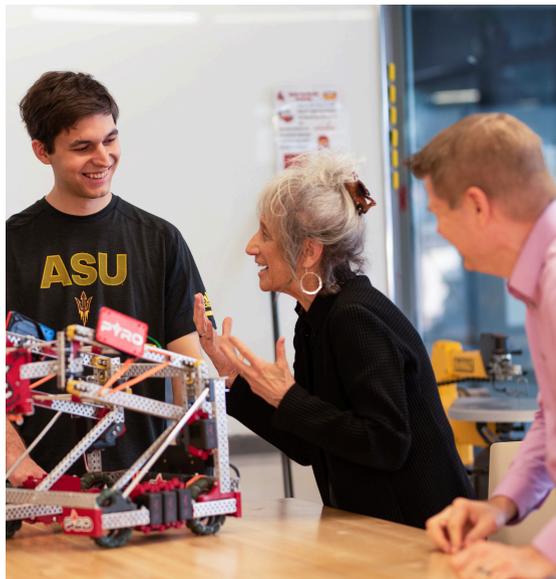


The MacArthur Foundation named ASU's Amber Wutich, an anthropologist, a 2023 MacArthur "genius" Fellow based on her research to understand the impact of water scarcity on communities.



Herberger Institute Professor Liz Lerman honored as 2023 Guggenheim Fellow

Herberger Professor – and legendary choreographer, artist and author – Liz Lerman was selected as a 2023 Guggenheim Fellow. The annual award honors scientists, writers, scholars and artists across 48 fields who are selected by a rigorous application and peer review process.



Regents Professor **Michlene "Micki" Chi** won the 2023 Yidan Prize for Education Research, an international honor for helping give teachers a stronger understanding of how students learn.



2023 Global overview

Top 25 ranking globally for 6 subject areas

Including management, public administration, business administration, economics, education and environmental science and engineering

– SHANGHAI RANKING'S GLOBAL RANKING OF ACADEMIC SUBJECTS, 2023

ASU has an international footprint

#1 public university in the U.S. chosen by international students

ASU ahead of University of Illinois at Urbana-Champaign, UCLA and UC Berkeley

– INSTITUTE OF INTERNATIONAL EDUCATION, 2023

#1 in the world for international trade

ASU ahead of Cambridge, Stanford and Harvard

– QS INTERNATIONAL TRADE RANKINGS, 2023



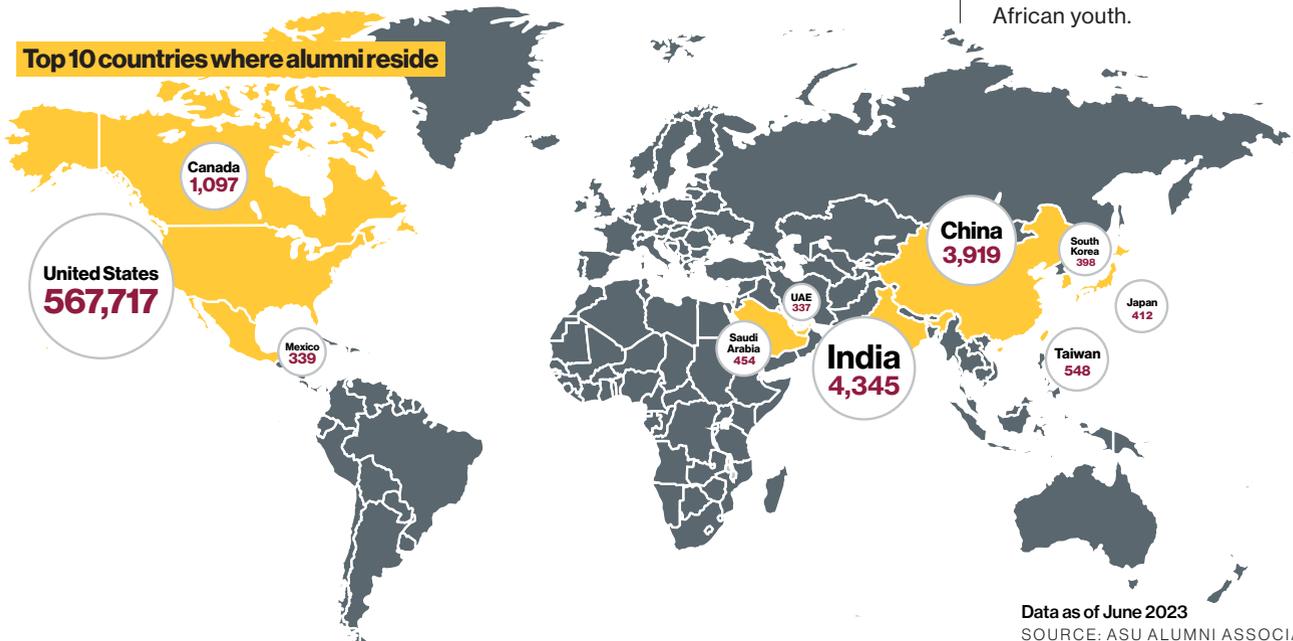
ASU inaugurates US-ASEAN Center in partnership with Department of State

ASU and the U.S. Department of State opened the United States and the Association of Southeast Asian Nations Center in the ASU Barrett and O'Connor Washington Center.



ASU awarded \$80M from USAID to bolster leadership and entrepreneurial training for African youth.

Top 10 countries where alumni reside



Data as of June 2023
SOURCE: ASU ALUMNI ASSOCIATION



ASU-led NASA mission to Psyche

The Psyche spacecraft launched Oct. 13, beginning a six-year journey to a metal-rich asteroid that could provide clues into the formation of planets. It's the first ASU-led deep-space NASA mission. In 2023, 527 students from around the country participated in the undergraduate student programs related to the mission; 573 lifelong learners enrolled in related online courses.

Sustainability

#1 in the U.S. and top 10 globally in UN Sustainable Development Goals

ASU ahead of Michigan State University, Penn State and MIT

– TIMES HIGHER EDUCATION'S IMPACT RANKINGS, 2023

#1 in air and climate ASU ahead of Stanford, Cornell and UC Berkeley

– ASSOCIATION FOR THE ADVANCEMENT OF SUSTAINABILITY IN HIGHER EDUCATION, 2023



Starbucks to partner with ASU on programming for its new sustainability learning and innovation lab in Costa Rica.

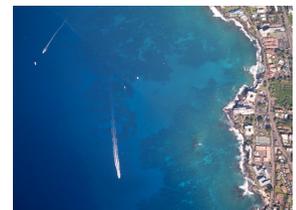


40-year ASU BIOS study charts warmer, saltier, more acidic oceans that threaten human, environmental health

The study, published in *Frontiers in Marine Science* by the ASU Bermuda Institute of Ocean Sciences, is the first seasonal temperature record of its kind from anywhere in the world. It provides important data for scientists and policymakers grappling with the effects of climate change.

Turning the tide on our coral reefs, ASU establishes 'Āko'ako'a, a new collaborative effort to seed renewed connection between human, coral communities in Hawaii

ASU is creating a \$25 million community-based partnership. 'Āko'ako'a means "to assemble" and "coral" and will fuse science programs with the leadership and cultural knowledge of Hawaii's community partners.



2023 National overview

Technology

‘Our secret weapon’

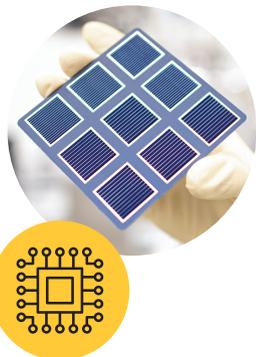
How a university bolstered Phoenix’s rise as US chip capital

Phoenix Mayor Kate Gallego identified ASU as Phoenix’s secret weapon and microelectronics Petri dish – a hive of research and development for the semiconductor industry – while also establishing itself as America’s leading conveyor belt of engineers to become the beating heart of the nation’s chipmaking boom.

– THE FINANCIAL TIMES, 2023



Intel grants allow ASU professors to expand, diversify microelectronics workforce. TSMC sponsors undergraduate research and supports faculty research and innovation.



ASU, TSMC announce partnership for workforce and research innovation

ASU and the Taiwan Semiconductor Manufacturing Company announced a partnership agreement focused on student support, training and recruitment, and faculty work projects and research that will deepen the existing relationship between ASU and the world’s leading manufacturer of semiconductor chips.



ASU and Applied Materials to create Materials-to-Fab Center at ASU Research Park

More than \$270M in corporate and state investment will help create a world-class shared research, development and prototyping facility in the university’s MacroTechnology Works building.

ASU chosen to lead the U.S. Department of Defense Southwest Advanced Prototyping Hub

The SWAP Hub is part of a national network of eight Department of Defense Microelectronics Commons regional innovation hubs linking stakeholders across academia, industry, small business, nonprofits and government.





TSMC is building two multibillion dollar fabs in North Phoenix; the \$40 billion is the largest direct foreign investment in U.S. history.

Making trustworthy AI

AI is a growing presence in our lives and has great potential for good – but people working with these systems may have low trust in them. A research team at ASU’s Center for Accelerating Operational Efficiency is testing a tool that could help government and industry identify and develop trustworthy AI technology.

Clean heat for manufacturing

The U.S. Department of Energy selected ASU to establish a new Clean Energy Manufacturing Innovation Institute devoted to reducing greenhouse gas emissions from industrial process heating. The industrial sector currently accounts for more than 30% of U.S. greenhouse gas emissions, and fossil fuel-driven process heating is the most significant contributor.

Health and medicine

ASU Health launches

To tackle the state’s urgent health care needs, now and into the future, ASU is launching a new medical school, creating two other new schools, expanding its alliance with Mayo Clinic and others, and more. ASU Health will transform how health care is designed, delivered and measured while also producing new physicians, nurses, technologists, scientists – all the groups that need to be focused on Arizona’s health.



A program created by the ASU REACH institute and funded by the National Institute of Mental Health was demonstrated to reduce by **50% the incidence of major depression** suffered by youths who become young adults after experiencing the death of a parent.

New blood testing method advances disease detection

ASU researchers developed a method for screening hundreds of disease markers and samples simultaneously, delivering most results in 24 hours.

ASU recognized as a leader for research into causes and treatments for Alzheimer’s disease

– THE NATIONAL INSTITUTE ON AGING, 2023

Largest grant in ASU history for X-ray laser

The National Science Foundation is awarding ASU \$90.8 million in funding – the largest NSF research award in the university’s history – to support a five-year project to build the world’s first compact X-ray free electron laser, or CXFEL. It will allow scientists to observe biology’s molecular processes in detail – important for understanding health and advancing renewable energy research, quantum technologies and semiconductor research.



California

Growing our service to California

In 2022–23, ASU enrolled 22,700 Californians as undergraduate and graduate students at in-person campuses and online. In 2023, ASU expanded its footprint in Los Angeles, adding the ASU California Center Grand building, home to ASU FIDM, the university's fashion program within the Herberger Institute for Design and the Arts. And ASU welcomed a new independent affiliate college, California College of ASU, offering liberal arts degrees in filmmaking, digital media and fashion.



Arizona



Partnerships with local schools to address teacher shortage

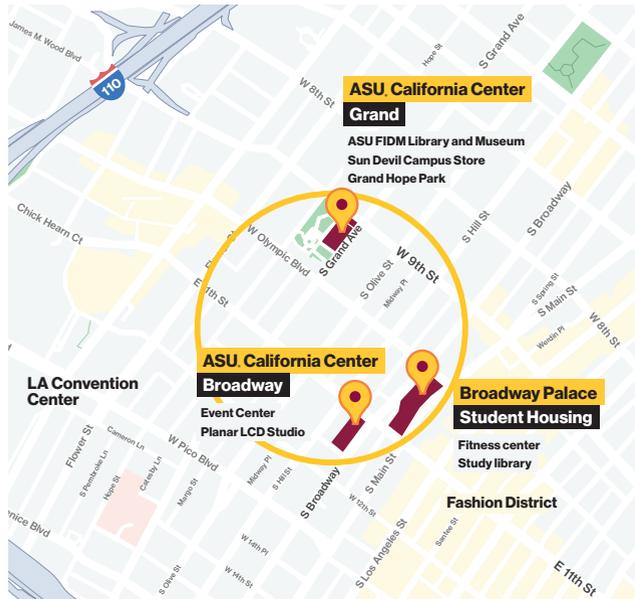
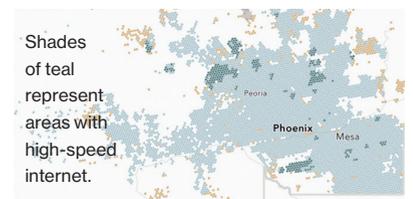
A team-teaching model addressing the biggest challenges in education ramped up to more schools across Arizona and the nation. Early data shows the new model results in higher reading levels and better algebra competency.

More nurses for Arizona

The Arizona Department of Health Services awarded the university with a \$5.5M grant to support a 104-nurse cohort that started in 2023. This builds on the university's five pathways to nursing degrees with options for students to learn in their home communities such as Lake Havasu, where possible.

Delivering reliable internet access

Sun Corridor Network, the Digital Equity Institute and ASU partnered to advance broadband access throughout Maricopa County.



The ASU California Center anchors an emerging education district in downtown LA, bringing together multiple universities to meet community need and increase access to education.



ASU Local has expanded to offer students at Long Beach City College a degree pathway to a four-year degree program on their home campus. With a presence in Los Angeles, ASU Local partners with 116 California community colleges to make degree completion seamless.



ASU West Valley campus, a centerpiece of the fast-growing West Valley, expanded to over 125 degree programs



ASU refined the campus name as part of its larger work with cities and towns as part of West Valley Forward. ASU also announced ambitious plans for expansion to keep up with the region's rapid growth, breaking ground on new residential and academic buildings and welcoming **three new schools** to campus in 2023:

- School of Technology, Innovation and Entrepreneurship, part of the W. P. Carey School of Business
- School of Integrated Forensics, part of the New College of Interdisciplinary Arts and Sciences
- School of Integrated Engineering, part of the Ira A. Fulton Schools of Engineering

Sun Devil Athletics

- **#1 in the Pac-12, Sun Devil Athletics scored the highest average multiyear Academic Progress Rate from 2018–22 for the second year in a row.**
- Léon Marchand set NCAA record times, beat Michael Phelps' world record and led Men's Swimming to second-place NCAA title.
- Triathlon won its seventh straight national team championship title.
- Turner Washington won the discus to close his career, his fifth NCAA title.
- Women's Tennis posted its first undefeated home season.
- Sun Devils had a record number (11) of CSC Academic All-Americans.
- Men's Track and Field placed fifth at the NCAA Outdoor championships.

Preserving Arizona's water

Working with industrial, municipal, agricultural, tribal and international partners, the Arizona Water Innovation Initiative, launched in 2023, will deploy new approaches and technology for water conservation, desalination, infrastructure and reuse.



A new method for removing forever chemicals developed; PFAS contaminate the drinking water of more than 60% of the country's population.



New \$50M clean hydrogen facility

A Clean-Seas and ASU project moved forward. It will bring a clean hydrogen facility – the first of its kind – to Arizona, which will use plastic destined for the landfill to create the hydrogen.

\$70M to help reduce industrial fossil fuels

The U.S. Department of Energy selected ASU to establish a new Clean Energy Manufacturing Innovation Institute devoted to reducing greenhouse gas emissions emitted during industrial processes.

ASU to launch medical school

The new school is part of a comprehensive new effort to help improve health outcomes across Arizona. Helping improve the health of all Arizonans requires innovation in education. The Anatomage Table, shown on the cover, is a technologically advanced 3D anatomy visualization system, helps students master medical knowledge and skills more quickly.

**Learn more about
ASU Health on page 8.**



annualreport.asu.edu

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ASU PHOTO