



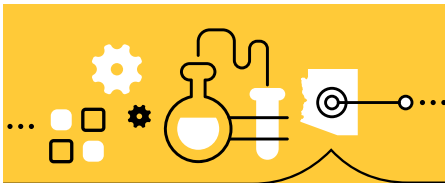
2020
Year in
review

Highlights from another year
of innovative breakthroughs

Year in review

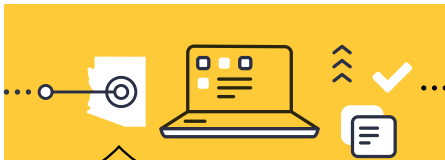
By the numbers

Economic impact



\$886.5M

in research-based economic impact on Arizona economy



\$292.6M

2-year economic impact on Arizona from ASU startups and affiliated businesses in 2019 and 2020



\$17.2B

Annual earnings by Sun Devil alumni working in Arizona

— L. WILLIAM SEIDMAN RESEARCH INSTITUTE

Research



150+
startups

One of the top-performing U.S. universities for inventions and licensing deals, ASU has been the launching pad for 150+ startups

— SKYSONG INNOVATIONS

Top 10 in the U.S. for patents: ASU with Stanford, MIT and Harvard

— U.S. NATIONAL ACADEMY OF INVENTORS AND THE INTELLECTUAL PROPERTY OWNERS ASSOCIATION



With an estimated \$660M total research expenditures

in FY20, ASU is one of the fastest-growing research enterprises

in the U.S. — ASU KNOWLEDGE ENTERPRISE



Academics

#1 most innovative in the U.S. for six consecutive years, ahead of MIT and Stanford

— U.S. NEWS & WORLD REPORT, SIX YEARS, 2016-2021

30 programs in top 10 in the U.S.

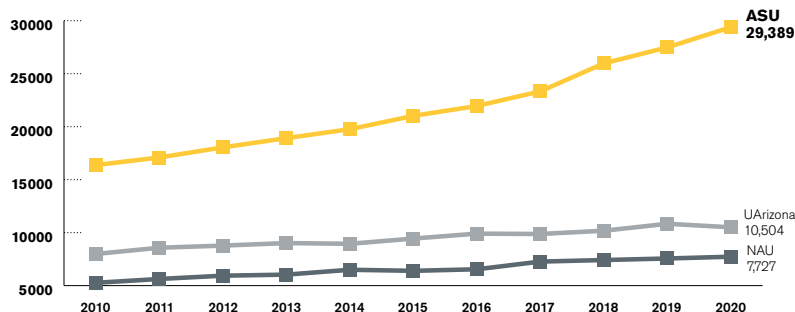
along with 79 ASU degree programs in the top 25

— U.S. NEWS & WORLD REPORT, 2021

Top 10 nationally for best online bachelor's programs

— U.S. NEWS & WORLD REPORT, 2020

Degrees awarded



ASU annually graduates thousands of innovators who excel in engineering, business, education, the arts and other fields. In 2019-20, ASU awarded degrees to 20,308 undergraduate and 9,081 graduate students.

— ASU OFFICE OF INSTITUTIONAL ANALYSIS, UARIZONA UNIVERSITY ANALYTICS AND INSTITUTIONAL RESEARCH, NAU INSTITUTIONAL RESEARCH AND ANALYSIS

Top producer of elite scholars for 10 consecutive years

For the past 10 years, ASU has been a top-producing university for elite scholars, including 262 Gilman Scholars, 192 Fulbright Scholars, 21 Goldwater Scholars, 14 Udall Scholars, 10 Gates Cambridge Scholars, 4 Marshall Scholars, 4 Truman Scholars, 2 Rhodes Scholars and 1 Churchill Scholar.

— FRANK OFFICE OF NATIONAL SCHOLARSHIPS ADVISEMENT, 2020

Athletics

Best in field

- Sun Devil Triathlon won its fourth straight national title. Kyla Roy won the individual national title.
- Wrestling, coached by alumnus Zeke Jones, won its 19th Pac-12 title.
- Baseball's Spencer Torkelson became the No. 1 pick in the Major League Baseball Draft as ASU had five selections, the most of any program.
- Brandon Aiyuk became the second straight NFL first-round pick, going to the San Francisco 49ers.
- Seven Sun Devils won Pac-12 individual titles: Brandon Courtney (wrestling), Tanner Hall (wrestling), Emma Nordin (women's swimming), Kordell Norfleet (wrestling), Zach Poti (men's swimming), Jacori Teemer (wrestling) and Anthony Valencia (wrestling).
- Samantha Noennig and Jackson Lewis make the Academic All-America® Division I track and field/cross country teams.
- Brinson Pasichnuk the first player to sign an NHL free agent contract.

Philanthropy

\$290 million

raised by the ASU Foundation in FY20 for students, faculty, research and community programs



90,357

unique donors to ASU in FY20

7,900+

ASU students received scholarships funded by donors last school year

Year in review

In the news

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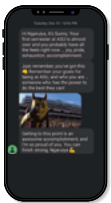
January

A chatbot named Sunny is always there for students

With ASU ranked a top 10 university in the U.S. for first-year experience, we have the interactive chatbot Sunny

to be thankful for, in addition to the many programs welcoming new Sun Devils to campus. Sunny is there 24/7 to

answer students' questions about ASU, and when the bot is stumped by a question, a human is always available to respond to campus-related queries.



January

ASU at Mesa City Center breaks ground

ASU at Mesa City Center is a state-of-the-art project designed to jump-start the revitalization of downtown Mesa and train students in one of the biggest industries in the U.S.: media production. The three-story academic building, scheduled to open in spring 2022, will offer programs in the Herberger Institute for Design and the Arts in digital and sensory technology, experiential design, gaming, media arts, film production, and entrepreneurial development and support.

March

Sharing resources so learning continues at home

A vast collection of online resources is made available on a single platform called ASU for You, as people stay at home during the COVID-19 pandemic. It offers a wide array of content, much of it at no cost, for all learners — from elementary school students to adults — as well as resources for teachers and parents.



February

ASU Innovation Open winners tackle large-scale industrial problems

Teams of entrepreneurs in the ASU Innovation Open win a total of \$300,000 in funding, the most ever. The entrepreneurship event drew more than 100 applications from student-led companies. Finalists, including three from ASU, represented 22 universities.

ASU brings new residence hall to downtown Phoenix

A 16-floor, 283,000-square-foot downtown Phoenix residence hall with a focus on entrepreneurship and the arts is scheduled to open in fall 2021 at the southwest corner of Fillmore Street and First Avenue.

20

April



ASU, Crash Course partner for series of educational YouTube videos

ASU expands access to its academic content to a vast new audience through a new partnership with Crash Course, a YouTube channel of educational videos with 10 million subscribers.

ASU ranks as top in the U.S. and fifth in the world out of 766 institutions, achieving 96.3 out of 100 points toward the U.N. sustainability goals.

ASU receives \$2M to boost coronavirus rapid research response

Emergency grants from the Virginia G. Piper Charitable Trust vastly increase efforts underway to coordinate preparedness responses to the coronavirus pandemic.

ASU ramps up a massive initiative to design, produce and distribute critically needed personal protective equipment and other medical supplies, launching the PPE Response Network. It links ASU and community resources to help health care providers and patients.

May

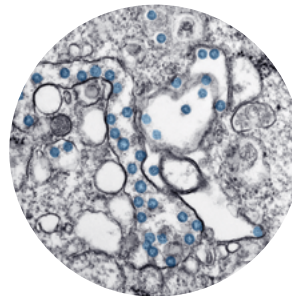
ASU's Biodesign Institute develops state's first saliva-based COVID-19 test

To make COVID-19 diagnostic testing easier and more readily available, ASU researchers develop the state's first saliva-based test, providing rapid results in 48 hours or less. The tests detect an active COVID-19 infection by measuring the amount of virus present in the body. The tests diagnose an active COVID-19 infection by detecting genetic material from the virus. This kind of test, known as a PCR test, is the most accurate type currently available.



“We realized as a university, we were uniquely capable of setting up this sort of [COVID testing] operation, because we had the skill sets, we had the technology ... We know how to do this, let’s do it.”

– JOSHUA LABAER, BIODESIGN INSTITUTE EXECUTIVE DIRECTOR, ON WHY ASU IS THE OPTIMAL TESTING SITE FOR COVID-19



ASU scientific team finds new, unique mutation in coronavirus study

As the coronavirus pandemic sweeps across the U.S., ASU School of Life Sciences Assistant Professor Efreim Lim leads a team that looks at how the virus may be spreading, mutating and adapting over time. Lim's team uses a new technology at ASU's Genomics Facility to rapidly read through the SARS-CoV-2 genetic code.

Zoom partners with ASU on new research center

Zoom Video Communications Inc. announces the opening of a new research and development center near ASU. The company plans to hire software engineers over the next five years, drawing largely on ASU's engineering talent pipeline. “With 4,500 engineering graduates per year and a nationally competitive faculty ... we are making great strides in creating a top-tier, concentrated environment of technology and talent in greater Phoenix to support the workforce and research and development needs of companies like Zoom,” says ASU President Michael M. Crow.

ASU Gammage launches digital series

The Digital Connections programs include live performances, master classes by renowned artists, demos and other experiences online.



Led by composer Daniel Bernard Roumain, The DBR Lab artists create music, spoken word, movement and film, now adapted into livestream and recorded presentations.

An uncommon commencement

ASU celebrates virtual commencement with nearly 16,400 graduates — projected to be the largest class yet — including approximately 4,200 ASU Online students. Nearly 6,600 graduate with honors, the most ever for an individual class.

June

ASU research and innovation leader Sethuraman Panchanathan is confirmed as director of the National Science Foundation.



July

Partnership to increase COVID-19 diagnostic testing in Arizona

The Arizona Department of Health Services and ASU create a new partnership to expand COVID-19 diagnostic testing in Arizona. ASU sets forth plans to launch several testing sites to provide free saliva testing in high-need, underserved communities around the state. Through this partnership, ADHS has committed up to \$12.7 million to fund the expansion of testing sites to serve up to 100,000 Arizonans.

New Mars rover is carrying an ASU camera system

The ASU-led mast-mounted camera system for NASA's Mars 2020 rover mission, Mastcam-Z, achieves a major milestone when the cameras are officially installed on the rover's mast. Mastcam-Z is a dual camera system that can zoom in (hence the "Z"), focus and take 3D pictures and panoramas at a variety of scales.

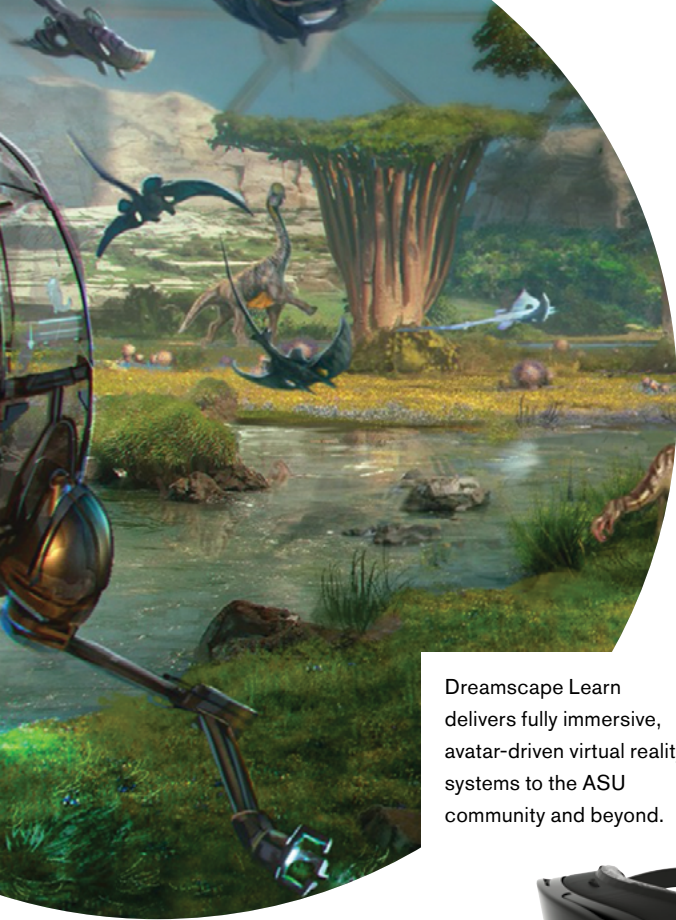


August

Launch of virtual institute to prepare teachers for online instruction

The new \$7.5 million partnership among the governor's office, the Arizona Department of Education and Helios Education Foundation, ASU Prep Digital's Arizona Virtual Teacher Institute supports the state's K-12 teachers delivering instruction in online and blended learning environments.





Dreamscape Learn delivers fully immersive, avatar-driven virtual reality systems to the ASU community and beyond.



September

Infosys, ASU partnership will accelerate workforce development in Arizona

Infosys, a consulting company that creates digital platforms, opens its new Technology and Innovation Center in the SkySong ASU Scottsdale Innovation Center, creating its sixth U.S. hub and accelerating workforce development in Arizona as it is on track to create 1,000 jobs.

—

ASU is named the most innovative university in the nation for the sixth year in a row, and one of the top 50 public schools in the country by U.S. News & World Report.

Dreamscape Immersive, the world's leading virtual reality company, and ASU launch a bold partnership to bring cutting-edge virtual reality to learners worldwide.

—

ASU launches Julie Ann Wrigley Global Futures Laboratory to transform the world for a better future

In response to current crises and driven by the belief in making positive, substantive advances, ASU announces the launch of a laboratory dedicated to keeping our planet habitable and enhancing the options for future generations to thrive.

“In focusing on the immediate issues and opportunities for Black faculty, staff and students, ASU earnestly accepts the inclusive institutional responsibilities laid bare in the ASU charter.”

— MICHAEL M. CROW, PRESIDENT OF ASU, WHO PRESENTED A LIST OF 25 ACTIONS TO SUPPORT BLACK STUDENTS, FACULTY AND STAFF

October

T-Mobile partnership employs smart technology on Tempe campus

The ASU and T-Mobile partnership launches a new Internet of Things pilot project connecting smart technology sensors to the blue light poles on campus in an effort to use existing infrastructure to improve safety; monitor area capacity including pedestrian and automobile traffic; and more. Three poles on the Tempe campus will be equipped with sensors in early 2021. The partnership aims to understand how trends like 5G and IoT can be used from campus to community to improve connectivity for millions of Arizona residents.

November

NASA selects ASU teams for astrobiology research

NASA selects eight new interdisciplinary research teams to inaugurate its Interdisciplinary Consortia for Astrobiology Research program working across astrobiology research, cosmic origins and planetary system formation to the origins and evolution of life and the search for life beyond Earth.

—

Sun Devil 100 Class of 2020 has combined revenues of \$6.1 billion. The 127 Sun Devil alumni honored have earned 155 degrees, across every college, and they employ more than 10,200 people in 10 states.

December

ASU awarded \$12.5M to better understand COVID-19 immune response and improve patient outcomes

With funding from the National Cancer Institute, ASU will join the NCI Serological Sciences Network, the nation's largest coordinated effort to study people's immune response to COVID-19. The goal is to develop high-performance serological tests to determine previous exposure to SARS-CoV-2.

annualreport.asu.edu

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INNOVATION LEADER

ASU is a top knowledge engine with a rich diversity of highly ranked programs led by the world's top minds, producing research that solves pressing global and local issues through powerful partnerships. And for the sixth consecutive year, U.S. News & World Report ranks ASU as the No. 1 school for innovation, ahead of MIT and Stanford.

On the cover: Leo Villareal, "Point Cloud (ASU)," 2020, 12' 10" x 3' 3" x 1' 1", LEDs, custom software, electrical hardware, steel, Nov. 2020, joint collaboration between ASU Art Museum and the Los Angeles County Museum of Art.



Learn to thrive.

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JAROD OPPERMAN, COURTESY OF CDC AND UPLIFTED CREATIVE.

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