

Biotech and life sciences

Robust bioscience economy in Arizona

ASU was the first university in the U.S. to create an interdisciplinary research institute entirely devoted to the principles of bioinspired innovation that fuses previously separate areas of knowledge to build a robust bioscience economy in Arizona.

- Capturing significant external funding for the generation of research output.
- Attracting premier scientific talent and high-wage jobs to Arizona.
- Spurring innovation that produces economic growth.

Mayo Clinic and ASU Alliance for Health Care

ASU collaborates with Mayo Clinic, a recognized world leader in patient care and research, to meet the needs of a shifting healthcare landscape. The Alliance combines expertise from every corner of health care to produce cutting-edge learning enhancements for healthcare innovators who will shape a new era of medicine.

- **Discovery Oasis** is a 150,000 square-foot facility offering the community a chance to participate in world-class research, innovation and learning environments. Features include biomedical engineering and informatics research labs, an innovative education zone, and opportunity for build-to-suit Class A facilities.
- **The MedTech Accelerator** empowers medical startups to better navigate challenges while bringing forth life-changing health innovations. The immersive experience helps participants develop or optimize new products and services, license intellectual property, sponsor research/clinical studies, and more.

The ASU advantage

Driven to improve life by stimulating scientific discovery and solving critical problems at the intersection of life sciences and society, the talent and opportunity at ASU is unmatched.

- \$140M+ research expenditures.
- 540K square feet of lab space.
- 352 research projects.
- 142 target diseases.
- 56 ASU shared facilities.
- 47 invention disclosures.
- 33 patents.
- 14 licensed technologies.
- 6 startup companies formed.
- 5 National Academy members.
- 1 CLIA laboratory.





The ASU Biodesign Institute is home to 17 research centers:

- Applied Structural Discovery.
- Neurodegenerative Disease.
- Biocomputing, Security and Society.
- Bioelectronics and Biosensors.
- Bioenergetics.
- Environmental Health Engineering.
- Fundamental and Applied Microbiomics.
- Health Through Microbiomes.
- Immunotherapy, Vaccines and Virotherapy.
- Innovations in Medicine.
- Mechanisms of Evolution.
- Molecular Design and Biomimetics.
- Pathfinder Center.
- Single Molecule Biophysics.
- Sustainable Macromolecular Materials and Manufacturing.
- Environmental Biotechnology.
- Personalized Diagnostics.

More than 60 related degree programs

Phoenix positioned as center of **WearTech** industry

Phoenix Biosciences Core (PBC)

The **PBC** is a premier environment for research activities with among the highest concentrations of research scientists and complementary research professionals in the region, providing firms with unprecedented opportunities for growth and collaborative efforts with industry leaders. Space developed by Wexford Science + Technology invites partnership with universities, academic medical centers, and research institutions to develop vibrant, mixed-use knowledge communities.

- 240,000 square feet of wet and dry lab, office and retail space.
- LEED Gold certified facilities.
- Collaboration with private bio-innovators.
- Designed to integrate research, entrepreneurial activity and corporate engagement.

Biodesign Core Facilities

- Imaging Facility.
- Bioinformatics Facility.
- Biosurface Chemistry Facility.
- DNASU Plasmid Repository.
- ASU Flow Cytometry Core.
- Genomics Facility.
- Mass Spectrometry Facility.
- Microbiome Facility.
- Nucleic Acid Programmable Protein Array.
- Peptide Microarray Facility.
- Shared Instrument Facility.
- Ultra Fast Laser Facility.

ASU Arizona State University

oed.asu.edu

To learn more:

oed@asu.edu

**#1 in the U.S.
for innovation**

ASU ahead of MIT and Stanford

— U.S. News & World Report, 7 years, 2016–2022

