

College of Engineering

BIOMEDICAL ENGINEERING

Bridging Medicine & Engineering

The practice of medicine is changing, and biomedical engineers are leading the revolution. From designing and building machines and advanced devices, to improving processes for diagnosing and treating disease, they're saving lives with emerging technologies.



COLLABORATIVE EDUCATION

An on-campus, 649-bed, acute-care teaching hospital bolsters the BS in biomedical engineering at the University of Arizona. The curriculum is heavily focused on interdisciplinary research in areas such as biomaterials, biomechanics, biosensors and microtechnologies. This degree allows students to work with renowned experts in their fields and provides excellent preparation for post-graduate work in biomedical engineering and health-related professions.

REWARDING CAREER PATHS

Biomedical engineering opens doors to diverse career paths and provides a strong foundation for graduate study in engineering or medicine. It ranks among the top 10 majors with the highest starting salaries, according to U.S. News & World Report. Arizona's bioscience industry is rapidly growing, with the state home to more than 1,400 companies in 2022.



THE UNIVERSITY
OF ARIZONA

»» bme.engineering.arizona.edu



CREATE A HEALTHIER SOCIETY

Biomedical engineering at the University of Arizona focuses on global emergent health issues and opportunities:

- Biomedical imaging and spectroscopy
- Biomaterials and tissue engineering
- Early diagnosis and treatment of cancer
- Neuroengineering
- Bioinstrumentation and devices
- Cardiovascular disease detection and treatment
- Nanomedicine
- Wearable biosensors



“ The proximity to the medical school, hospital and state-of-the-art research equipment has connected me to experts in many fields who have supported my growth as a researcher and student. ”

Kaitlyn Ammann, UA postdoctoral research associate

LEARNING FROM EXPERIENCE

Outside the classroom, students participate in a variety of activities to build leadership skills and prepare for the workforce.

- Undergraduate mentoring program
- Formal networking opportunities with faculty, alumni and industry
- Paid internships with longtime industry partners
- Senior design projects with experienced industry mentors
- Research opportunities and field experience
- Student chapters of professional organizations
- Clubs and professional organizations, such as the Medical Device Club and Biomedical Engineering Society

A PLACE FOR EVERYONE

Various engineering clubs – American Indian Science & Engineering Society; National Society of Black Engineers; Out in Science, Technology, Engineering, and Mathematics; Society of Hispanic Professional Engineers, and Society of Women Engineers, for example – help ensure all students feel welcome and connected.

“ There’s a real entrepreneurial spirit here. People have the freedom to start new ideas. It’s a place where you’re going to learn those skills that you need to be successful through your entire career. ”

Jennifer Barton, director of BIO5 Institute, Thomas R. Brown Distinguished Chair



Recruiting and Admissions

520.621.6032 – enr-admissions@arizona.edu

Advising

520.621.5420 – dwilson@arizona.edu