

College of Engineering

ELECTRICAL & COMPUTER ENGINEERING

The Technology Revolution

Electrical and computer engineers work at the heart of some of the most rapidly developing technologies ever seen. This program provides a solid foundation to create integrative designs for faster and safer computing, better health care and sustainable energy systems. Students tackle global challenges such as smart grids, autonomous systems, the Internet of Things and cybersecurity.



DESTINATION OF CHOICE

The University of Arizona BS in electrical and computer engineering is student-centered, providing a broad knowledge base from renowned faculty at a ratio of 15:1. Core classes incorporate discussion, one-on-one help, hands-on activities and team projects. Many students receive excellent job offers before graduating, and alumni hold leadership positions throughout the world.

REWARDING CAREER PATHS

Electrical and computer engineering ranks among the top 10 highest-paying college majors, according to U.S. News & World Report. The Bureau of Labor Statistics lists the median salary at \$108,000. Demand for graduates has grown across all industries as companies adopt and integrate new technologies.



THE UNIVERSITY
OF ARIZONA



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»» ecse.engineering.arizona.edu



COLLEGE OF ENGINEERING

School of Electrical, Computing & Software Engineering

EXCELLENCE IN EDUCATION & RESEARCH

The department has a proud history at the forefront of modern technological advances. Research is focused in areas such as:

- Quantum computing
- Remote medical monitoring
- Big data applications for early cancer diagnosis
- Real-time autonomous computer systems
- Wireless technology
- Biomedical sensors and devices
- Smart grids for advanced energy systems
- Cybersecurity



“ This program has enabled me to go out into the world and make it a better place with the technological inventions and solutions I work on. ”

Sehrish Choudhary, recent graduate

LEARNING FROM EXPERIENCE

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

- Paid internships with longtime industry partners
- Practical design projects with experienced mentors
- Research opportunities and field experience
- Student clubs such as the Institute of Electrical and Electronics Engineers (IEEE), organizations and national competitions

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.

“ The University of Arizona is a top school, and the College of Engineering is especially great. There are so many people working on exciting topics like 5G and security. ”

Ravi Tandon, associate professor



Recruiting and Admissions

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Advising

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