

College of Engineering

ARCHITECTURAL ENGINEERING

Designing Dynamic Buildings

Architectural engineers ensure the structural integrity and resilience of buildings, along with the health and safety of people inside them. These in-demand professionals design structural, mechanical, plumbing, power and lighting systems, while also handling project and construction management.



EXPANDED ACADEMIC OPTIONS

Based in the close-knit Department of Civil and Architectural Engineering and Mechanics and offered in partnership with the School of Architecture, the BS in architectural engineering at the University of Arizona is one of only four such programs in the western United States. Courses combine civil, structural, electrical and mechanical engineering principles with architectural theory, history and design.

BLUEPRINT FOR SUCCESS

Architectural engineering graduates have rewarding careers with engineering, architecture and construction firms. Growth in the construction industry is projected to continue, and job prospects in this burgeoning field are promising.

Photo by Bill Timmerman



»» caem.engineering.arizona.edu



RESEARCH GEARED TO GLOBAL CHALLENGES

Faculty members are experts in civil, structural, mechanical, plumbing, electrical and architectural engineering. Students learn skills to advance technology in areas such as:

- Smart buildings
- Green construction
- Earthquake-resistant structures
- Water and energy efficiency
- Structural health analysis and monitoring



“ My grandfather was a successful civil engineer. My mother has a college degree in architecture. I am following in their footsteps. ”

Alum Hector Garavito, Rogers-O'Brien Construction

LEARNING FROM EXPERIENCE

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

- Paid internships
- Realistic design projects
- Architectural studio experience
- Design-build student clubs
- Professional organizations

Student clubs and organizations include the American Society of Civil Engineers, American Institute of Architecture Students, Design-Build Institute of America, and Women in Civil Engineering.

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.

“ This UA degree makes students even more attractive to firms like ours. ”

Ronald H. Schneider, Schneider Structural Engineers



Recruiting and Admissions

520.621.6032 – enr-admissions@arizona.edu

Advising

520.621.6564 – mletchworth@arizona.edu