

College of Engineering

# CIVIL ENGINEERING

## Creating Infrastructure That Lasts

Civil engineers build the physical structures of our society, through design, construction and management. From initial planning to construction supervision, they work wherever engineering expertise is needed – building roads and bridges, airports and mines, energy and traffic control systems, water treatment plants, and more.



### ACADEMIC BRIDGE TO SUCCESS

The University of Arizona civil engineering program covers a broad range of subjects, including construction engineering management; environmental engineering; geotechnical engineering and geomechanics; hydraulic and water resources engineering; structural engineering; transportation, and traffic and highway engineering.

### BLUEPRINT FOR SUCCESS

With longstanding industry ties, the department boasts a job placement rate topping 90% at graduation. Graduates design structures and systems and monitor construction sites for utilities, construction firms, energy companies, manufacturers and government agencies. Business Insider named civil engineering a top 10 most desirable major for the 2020s.



THE UNIVERSITY  
OF ARIZONA

»» [caem.engineering.arizona.edu](http://caem.engineering.arizona.edu)



## EXCELLENCE IN EDUCATION & RESEARCH

For more than a century, the civil engineering faculty has been educating students in the principles of structural integrity and engineering design. Award-winning faculty and students improve infrastructure in communities around the world through research in areas such as:

- Flood prevention
- Seismic safety
- Traffic control
- Green construction materials
- Smart infrastructure
- Water and mining sustainability



“ One of the reasons I got into water distribution was because I wanted to work on something everyone needs. What I learned was extremely relevant. I put a lot of my coursework to use...on a daily basis. ”

*Alum Gustavo Guerrero, water resources engineer at Golder*

## LEARNING FROM EXPERIENCE

Outside the classroom, civil engineering students practice design, connect with peers and industry leaders, and volunteer on service projects.

- Design-build clubs and competitions
- Professional organization membership
- Student chapters of service organizations
- Interdisciplinary design projects with professional mentors
- Paid internships with longtime industry partners
- Field experience and research opportunities

Among the major-specific clubs and organizations in which students are involved are the Design-Build Institute of America, American Society of Civil Engineers and Engineers Without Borders.

## 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.

“ We get to come in and identify the top talent. We also get to discuss the aspects of construction in a sense that will make students more knowledgeable upon their graduation. ”

*Alum Travis McCarthy, Sundt Construction transportation group*



### Recruiting and Admissions

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### Advising

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