



## UNDERGRADUATE STUDY IN CIVIL ENGINEERING



TO SERVE THE PROFESSION, STATE, AND NATION



## Q: What is civil engineering?

Civil engineering is concerned with a wide variety of elements of natural and man-made environments. The civil engineer conceives, designs, constructs, manages, and maintains physical facilities and infrastructure such as residential and industrial buildings, bridges, transportation systems, tunnels, dams, power plants, space structures, water resources, water treatment systems, municipal and industrial waste disposal including hazardous waste treatment systems, air and water pollution control systems.



## Q: Why study civil engineering at The University of Arizona?

Our program bridges the gap from theory to practice through innovative classes, hands-on labs, and design projects. The curriculum provides thorough preparation for professional practice, and also provides graduates with an excellent background for advanced studies. Our curriculum provides exposure to the breadth of civil engineering to all students and allows concentrations in student selected area through technical electives. The civil engineering program is ABET-accredited.

## Q: What do I study in civil engineering?

Areas of study in the department include:

- ✚ Structural engineering
- ✚ Hydraulic engineering
- ✚ Geotechnical engineering
- ✚ Transportation engineering
- ✚ Environmental engineering



## Q: How long will it take to get my degree?

A degree in civil engineering requires 128 credit hours. Calculus-ready freshmen can earn a degree in four years. However, many students have internships or part-time jobs with industry, that extends the duration of their undergraduate work.



## Q: Where are the jobs?

Historically, our students have nearly 100% job placement upon graduation. Employers include:

- ✦ Consulting and design firms
- ✦ Land developers
- ✦ Construction firms
- ✦ Cities, counties, and other municipal agencies
- ✦ State and federal government agencies



## Q: How do I get involved?

The University of Arizona Chapter of the Society of Civil Engineers is very active. Meetings are held every two weeks. SCE activities include a Career Fair in the fall and the Pacific Southwest Regional Conference in the spring. Other active clubs in the department include the Institute of Transportation Engineers and Engineers Without Borders.

The Bachelor of Science degree in Civil Engineering was authorized by the Board of Regents and faculty in 1905, and the College of Engineering and Mines was created in 1914. We are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012 - telephone: (410) 347-7700. A summary of our accreditation objectives and outcomes can be found on the "Undergraduate" tab under "program assessment" or on the College of Engineering accreditation page.

The Civil Engineering building was completed in 1965. In 2005 we celebrated our centennial with the "100 Years of Building Our Foundation" gala and a number of other ongoing events. In 2009 we joined with four other engineering departments to become the School of Sustainable Engineered Systems.



## MISSION STATEMENT

**We are committed to work together and with our constituencies to provide a quality educational experience for our students, to pursue excellence in research, and to serve the profession, state, and nation.**

