



## Bachelor of Science **Civil Engineering** | School of Engineering

Civil engineering students develop a solid background in mathematics, physical science and civil engineering. Elective courses include:

- Environmental engineering
- Geotechnical engineering
- Structural engineering
- Transportation engineering
- Water resources engineering

Students learn about the behavior of materials by conducting basic environmental analyses, hydraulic experiments, material tests, soil mechanics procedures and transportation studies in our state-of-the-art laboratories. They are encouraged to engage with faculty members who conduct leading-edge research.

The fully accredited civil engineering program prepares students to become licensed engineers. The Fundamentals of Engineering (FE) exam is taken during the senior year and is the steppingstone to becoming licensed.

- Civil engineers earn a professional engineer (PE) license
- Structural engineers can also earn a structural engineer (SE) license

Students gain professional experience through internships which are available at more than 200 locations in the St. Louis area. In addition, professional experience is embedded in the program's senior design class. Student organizations provide many ways student can strengthen their understanding of engineering design, create a network of fellow engineering students and have fun.

Graduates of the civil engineering program are well prepared for a variety of careers or to pursue graduate study. They design, build, inspect, maintain, rehabilitate and preserve buildings, bridges, levees, water and waste treatment systems, and roads—all the essential infrastructure for society.

### Learn More

- Sample Four-year Curriculum
- Admission and Graduation Requirements
- Direct Entry
- Dual Degree with Hochschule Mainz University of Applied Sciences in Germany
- Accelerated Combined Degree



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