

# CIVIL ENGINEERING

## COLLEGE OF ENGINEERING AND SCIENCE



### PROGRAM BEGAN FALL 2019 MAJOR

- Civil Engineering (BS)\*

### ACADEMIC CONTACT

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### WHAT CAN I DO WITH A CIVIL ENGINEERING DEGREE?

Civil engineering is a professional engineering discipline which deals with the design, construction, and maintenance of our nation's infrastructures including roads, bridges, buildings, airports, dams, tunnels, and water and waste treatment plants. This program is designed to provide students with the knowledge, skills and tools needed for them to pursue a successful career as a civil engineer. Civil engineers have the largest number of jobs in all engineering occupations and are typically employed in public sectors from municipal to national governments, and in private sectors ranging from construction industries, energy industries, mining industries, engineering design companies, and engineering consulting firms. In addition, US Bureau of Labor Statistics projects that the jobs for civil engineers will increase by 7% from 2021 to 2031, indicating strong existing and continued demands for civil engineering students. The median annual wage for civil engineers was \$95,890 in May 2023.

### CIVIL ENGINEERING AT SRU

The civil engineering curriculum covers the main areas of civil engineering, i.e., structural engineering, geotechnical engineering, water resources engineering, environmental engineering and transportation engineering. The curriculum is designed to provide students with the knowledge and professional skills required to successfully practice civil engineering. The program is designed to meet the Engineering Accreditation Commission of Accreditation Board for Engineering and technology (ABET) accreditation criteria. To be successful, students will be trained in problem-solving, math, decision-making, leadership, and communication skills (both verbal and written). A capstone design course in the senior year will integrate all aspects of learning in team-based design projects assisted by professional engineers in the field. This is a four-year, full-time degree and is established to meet the workforce demand of civil engineers throughout the U.S.

### WHY CHOOSE CIVIL ENGINEERING AT SRU?

1. A four-year, 128-credit program designed to meet ABET accreditation criteria
2. Small class sizes and hands-on engineering design experience
3. State-of-the-art lab facilities and internship opportunities
4. Most affordable engineering program in the region
5. SRU offers a year-long capstone design

### CAREER OPPORTUNITIES

Most civil engineering students enter the workforce directly after graduation in entry-level positions as a civil engineer in planning, design, and construction of our nation's infrastructure in public or private sectors. Career options include:

- Structural engineers
- Transportation engineers
- Environmental engineers
- Construction engineers
- Geotechnical engineers
- Water resources engineers