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, water and waste treatment plants. The program is designed to provide students with the knowledge, skills and tools needed for them to pursue a successful career as an 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 industry, energy industry, 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 11% from 2016 to 2026, indicating strong existing and continued demands for civil engineering students. The median annual wage for industrial engineers was $84,770 in May 2017.

CIVIL ENGINEERING AT SRU

The civil engineering curriculum has three focused areas of civil engineering, i.e., structural 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, and to meet the program criteria stipulated by the Engineering Accreditation Commission of Accreditation Board for Engineering and Technology (ABET). 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 all courses will be taught at SRU’s main campus and is established to meet the workforce demand of civil engineers in western PA and the nation.

WHY CHOOSE CIVIL ENGINEERING AT SRU?

1. A four-year, 128-credit program meeting 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