Civil Engineering (B.S.)

Help transform the world with the power to bring new ideas and innovations in energy, technology and health.

If solving problems, creating new ways of living and enhancing existing communities is a passion for you, a career in civil engineering is a rewarding profession. With a program that emphasizes key engineering areas like environmental, geotechnical, structural and water resources, you'll gain the well-rounded education to help build a new world.

Program Snapshot

**Program type:** Major

**Format:** On-campus or online

**Est. time to complete:** 4-5 years

**Credit hours:** 134

Why Study Civil Engineering at UND?

Civil engineers have a direct impact on the world around us, creating and helping to improve the many ways people move, interact and live in their communities. It's a rewarding profession that combines ideating, planning and designing with teams at the office, with hands-on project management and supervision out in the field.

With this UND undergraduate program, you'll benefit from a curriculum that weaves in teamwork, problem solving and design exercises, along with opportunities to:

- Gain the ability to apply knowledge of mathematics, science and engineering to the field of civil engineering.
- Conduct experiments in laboratories to prove or disprove engineering theories or designs.
- Gain expertise with computer software and other innovative engineering technologies.
- Develop knowledge of contemporary issues, and cultivate life-long learning and
communication skills.

Priority Application Deadlines

**FALL:** Feb. 1* (freshmen) | April 15* (transfer students)
**SPRING:** Dec. 1
**SUMMER:** April 1

*academic scholarship priority deadline

Program Highlights

- Practice civil engineering by using knowledge and skills for problem analysis and solving in a wide range of professional settings.
- Focus on engineering design, project management, construction, contract administration, technical support and research.
- Participate in job-related training activities, pursue a professional engineering license or attend graduate school.
- Contribute to the economic development of North Dakota and the surrounding region.

Outcomes

**83K**
Median salary range for a civil engineer is over $83,000.∗

**8%**
The civil engineering profession is expected to grow by percent, double the growth of engineering jobs overall.∗

*U.S. Bureau of Labor Statistics*

The prospects for civil engineers remain good, since much of the world's infrastructure continues to age. Civil engineers will be needed to manage projects to rebuild structures, bridges, highways, and upgrade levees and dams as the climate changes.

UND graduates can expect a range of opportunities in engineering design and development, construction, project management and a host of other areas such as:

- Water resources
- Geotechnical engineering
- Structural engineering
- Site development
- Transportation engineering
• Environmental regulation