

# Department of Civil and Environmental Engineering

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## Department Information

- [www.ndsu.edu/ce](http://www.ndsu.edu/ce)

## Undergraduate Programs of Study

- Civil Engineering (major)
- Environmental Engineering (major)

## Graduate Programs of Study

- Civil Engineering

## Degrees Offered

- Bachelor of Science in Civil Engineering (B.S.C.E.)
- Bachelor of Science in Environmental Engineering (B.S.Env.E.)
- Master of Science (M.S.) and Ph.D. in Civil Engineering
- Master of Science (M.S.) in Environmental Engineering

## Department Description

The mission of the Department of Civil and Environmental Engineering is to provide quality education to prepare nationally competitive undergraduate students for a successful career in civil and environmental engineering; to provide advanced skills and knowledge in state-of-the-art research and design in sub-areas of civil and environmental engineering for graduate students; and to provide service to the university, engineering profession, and the public.

The following program educational objectives are consistent with the university, college, and department missions. Graduates of our B.S. in Civil Engineering program are expected within a few years of graduation to:

- Solve current and emerging problems in civil and environmental infrastructure.
- Conduct sustainable engineering design incorporating diverse perspectives to improve quality of life.
- Engage in ethical and professional practices, realizing the broader societal implications of civil engineering.
- Serve the profession through collaborative work, leadership roles, professional licensure, advanced degrees, and lifelong learning.

Civil engineering includes the planning, design, construction, maintenance, and operation of large and permanent projects of our civilization. Civil engineers are in demand wherever there are people. The major subdivisions of civil engineering at NDSU are structural, geotechnical, environmental, water resources, and transportation engineering.

Civil Engineers are responsible for such projects as bridges, buildings, dams, and other river and harbor work, municipal water supply and sanitation facilities, streets, highways, and other transportation facilities. On many projects, civil engineers work in close cooperation with engineers and scientists from other fields. The Bachelor of Science degree in Civil Engineering is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.