Civil Engineering
Master of Engineering

The Department of Civil Engineering offers graduate programs leading to the Master of Engineering degree and the Master of Science degree. The Master of Engineering degree permits specialization in the following options: soils-structures engineering, environmental engineering, water resources engineering, and general civil engineering. The Master of Engineering degree program is designed to provide an opportunity for engineers to achieve formal education beyond the Baccalaureate level with a strong and directed emphasis toward the practice of engineering. The focus of the program is on the development of competency in the area of engineering design. The goal of the program is development of the student as a practitioner capable of systematically solving complex problems of society within his or her field.

The mission of the Master of Engineering program in Civil Engineering is to prepare students for careers in private and public practice of civil engineering and related fields. The major emphasis of the program is to foster a deeper understanding of the engineering design process. The program has four main options. These are soils-structures engineering, environmental engineering, water resources engineering, and general civil engineering.

Goal 1: Students will build on knowledge gained in their undergraduate program of study to achieve a fuller understanding of civil engineering and the engineering design process.
Goal 2: Students will perform a detailed design project in a specific focus area related to civil engineering.
Goal 3: Graduates will be prepared for a career in private or public practice in civil engineering and related fields.

Admission Requirements

The applicant must meet the School of Graduate Studies' current minimum general admission requirements as published in the graduate catalog.

1. Bachelor of Science degree in Civil Engineering from an ABET accredited or equivalent program.
2. Graduate Record Examination General Test for applicants from non-ABET accredited programs.
3. A cumulative Grade Point Average (GPA) of at least 2.5 for all undergraduate work or a GPA of at least 3.0 for the junior and senior years of undergraduate work (based on A = 4.00).
4. Satisfy the School of Graduate Studies' English Language Proficiency requirements as published in the graduate catalog.

Degree Requirements

Students seeking the Master of Engineering degree at the University of North Dakota must satisfy all general requirements set forth by the School of Graduate Studies as well as particular requirements set forth by the Civil Engineering Department.

1. A minimum of 30 semester credits in a major option, including the credits granted for the design project and the research leading to the design project.
2. At least one-half of the credits must be at or above the 500-level.
3. A maximum of one-fourth of the credit hours required for the degree may be transferred from another institution.
4. Preparation of a written design project approved by the faculty advisor.
5. Comprehensive final examination.
6. Required Courses:

Apply online: http://graduateschool.und.edu
Deadlines apply. See our website for more details.
Faculty and Areas of Expertise

- Daba Gedafa, Ph.D., P.E., Pavement and Materials Engineering
- Harvey Gullicks, Ph.D., P.E., Water and Wastewater Treatment and Contaminated Media Remediation
- Sukhvarsh Jerath, Ph.D., P.E., Structural Engineering and Structural Mechanics
- Yeo Howe Lim, Ph.D., Water Resources and Fluid Mechanics
- Iraj H.P. Mamaghani, Ph.D., P.E., Structural Engineering and Structural Mechanics
- Charles Moretti, Ph.D., P.E., Chair, Environmental Engineering, Water Treatment
- Nabil Suleiman, Ph.D., Geotechnical and Transportation Engineering, Pavement Engineering and Highway Materials

Contact Information
Sukhvarsh Jerath, Graduate Program Director
Civil Engineering
University of North Dakota
Upson II Room 260
243 Centennial Drive, Stop 8115
Grand Forks, ND 58202-8115

P: (701) 777-3562
F: (701) 777-3782
E: sukhvarsh.jerath@engr.und.edu
www.civilengineering.und.edu

Apply online: http://graduateschool.und.edu
Deadlines apply. See our website for more details.
Last Updated: 6/19/2014
Email: questions@gradschool.und.edu