

CIVIL AND ENVIRONMENTAL ENGINEERING (M.ENG.)

<https://ceps.unh.edu/civil-environmental-engineering/program/meng/civil-environmental-engineering>

Description

The goal of the Civil and Environmental Engineering program is to elucidate civil and environmental engineering technology by involving students in the design and construction of sustainable infrastructure projects that emphasize safety and public health. Our graduates enhance the quality of life for people both locally and around the world by providing safe structures such as bridges, highways, skyscrapers, tunnels and dams, and by helping to restore and maintain water quality and the environment. Civil Engineering has always been an exciting yet flexible profession filled with opportunities. The Master of Engineering in Civil Engineering requires a concluding experience in addition to coursework.

Requirements

All master of engineering degree students must complete a minimum of **30** total credits. UNH bachelor's degree students admitted to the Accelerated Master's Degree program may register for a maximum of 8 credits of graduate-level courses prior to completing their bachelor's degree. Such courses may upon recommendation of the department and approval of the Graduate School count toward both a bachelor's and master's degree. M.Eng. students are required to complete one of the following options as a concluding experience (as determined by the Master's Committee):

- **Option A, Master's Project:** Students must complete a 3-credit master's project (CEE 898 Master's Project Paper) on a civil engineering topic.
- **Option B, Oral Exam:** Students must complete an oral exam. The oral exam does not count toward the number of required credits.
- **Option C, Written Exam:** Students must complete a written exam. The written exam does not count toward the number of required credits.

The M.Eng. option is designed to facilitate completion of B.S./M.Eng. civil engineering degrees within five years. M.Eng degree students are not eligible for an assistantship. For graduation, a grade of B- or better in each course, an overall B average (3.00 GPA), and successful completion of one of the above concluding experiences must be achieved.

Specific course requirements vary with focus area within CEE, please refer to the "explore program details" section on our website.

Accelerated Master's

This graduate program is approved to be taken on an accelerated basis in articulation with certain undergraduate degree programs.

General Accelerated Master's policy, note that some programs have additional requirements (e.g. higher grade expectations) compared to the policy.

Please see the [Graduate School website](#) and contact the department directly for more information.

Student Learning Outcomes

- Identify and use advanced mathematical, computational, design, and/or experimental skills to solve complex civil and environmental engineering problems;
- Demonstrate advanced technical knowledge in civil and environmental engineering subject areas (environmental, geotechnical, materials, structural, sustainability, transportation, or water resources);
- Effectively communicate and defend technical ideas, designs, or research results in written and oral form; and
- Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of sustainable engineering solutions in global, social, economic, public policy, and environmental issues.