

# CIVIL ENGINEERING (M.ENGR.)

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## Master of Engineering. Major in Civil Engineering.

A thesis is not required for the Master of Engineering degree.

Course requirements in the M.Eng. degree program are relatively flexible, depending on student interest and course availability. This degree may be completed on a part-time basis and entirely online. Students in this degree program are not eligible to receive graduate assistantships.

Graduate study is offered with specialization in structures, highway and pavement materials, soil mechanics, transportation, hydraulics and water resources, geological engineering, and environmental engineering.

All admission requirements for the College of Graduate Studies apply. Applicants for admission generally will have a B.S. degree in Civil Engineering; however, those with B.S. degrees in other areas (e.g., other areas of Engineering, Mathematics, Physics) are also eligible for admission.

Graduate degree applicants not holding B.S. degrees in Civil Engineering are required to show evidence of completing the following undergraduate coursework: mathematics through differential equations, and one semester each of chemistry, calculus-based physics, and engineering statics. Once admitted, additional preparatory coursework will be determined by the student's advisory committee and/or as prerequisites to courses listed in the student's study plan.

Candidates for graduate study must fulfill the requirements of the College of Graduate Studies and of the Department of Civil and Environmental Engineering. A minimum of 30 credits is required for the Master of Engineering degree. A thesis is not required, but M.Engr. degree candidates are required to demonstrate to their academic advisor and committee the ability to write a technical paper or report and to complete a comprehensive exam. Further information about the technical writing requirement and the comprehensive exam are provided in the Civil and Environmental Engineering Graduate Student Handbook.

1. The student will be able to conduct research and analyze and interpret results.
2. The student will be able to communicate professional work.
3. The student will be able to demonstrate knowledge of degree subject matter; integrate and build on foundation provided by relevant undergraduate degree.
4. The student will understand the responsibility to enhance the quality of life of the global community through the practice of civil engineering.