Western Michigan University’s civil engineering graduate programs involved the planning, design, construction, maintenance and operation of facilities and systems to control and improve the environment for modern civilizations.

The Master of Science in Civil Engineering (M.S.) offers students the opportunity to earn the degree on a full-time or part-time basis and can have a design or research orientation. Three specializations include:
- Construction engineering and management
- Structural engineering
- Transportation engineering

A unique program that allows WMU undergraduate juniors and seniors to accumulate credits toward the completion of a master’s degree while still enrolled as an undergraduate is the Accelerated Master of Science in Civil Engineering (M.S.). Up to 12 credit hours of designated coursework may be used to satisfy both bachelor’s degree and master’s degree requirements. Students are charged the undergraduate tuition rates for these courses.

The Doctor of Philosophy in Civil Engineering (Ph.D.) is designed to provide a flexible vehicle to address new and emerging areas of research in civil engineering that are within interest and expertise of the civil engineering faculty.

Points of Pride
- The Transportation Research Center for Livable Communities aims to address the nation’s critical transportation challenges through the prism of livable communities. Part of the U.S. Department of Transportation $72.5 million award, this grant helps to advance transportation research and education programs, and develop the next generation of transportation professionals.
- Through a generous $5 million gift to provide a permanent research fund, the Georgeau Construction Research Institute allows researchers to pursue innovative construction research that addresses the numerous challenges facing the construction industry.
- All faculty are active in research and securing external grants and contracts.
Civil Engineering

Teaching, Research and Program Focus Areas
The civil engineering faculty have a broad range of experience including:
• Bridge engineering involves bridge condition assessment and repair, structural systems for rapid bridge construction, and non-destructive testing and evaluation.
• Earthquake engineering includes seismic risk evaluation and dynamic analysis and simulations of structures.
• Transportation engineering examines highway congestion modeling and remediation, highway mobility by utilizing communication and software technology toward an intelligent highway system.
• Construction engineering and management project management includes simulation of the construction environment, cyber-physical systems and BIM.

Industry Highlights
Civil and construction engineering are the broadest of the engineering professions, offering great career options for students.

Funding
Several teaching assistantships are available on a competitive basis. Research positions are also available through grants secured by our faculty. The funding consideration deadline is March 1, 2018.

Admission
Domestic
M.S. applications are accepted on an ongoing basis, allowing students to begin coursework during the fall, spring and summer semesters. Ph.D. applications are accepted for the fall and spring semesters only.

International
Fall 2018 M.S., Ph.D.: April 1, 2018
Spring 2019 M.S., Ph.D.: Aug. 1, 2018
Summer 2019 M.S.: Jan. 15, 2019

Civil Engineering
wmich.edu/civil-construction
(269) 276-3210

Western Michigan University est. 1903
Offering over 100 world class advanced degree programs and holding Carnegie Foundation classification as a higher research doctoral university, the institution has consistently appeared in the U.S. News & World Report as one of America’s best national universities. Graduate students make up 21 percent of the total student body and have been awarded nearly $52 million in financial assistance. WMU enjoys a rich 60+ year history of graduate education.

Kalamazoo, Michigan
The community offers a vibrant cultural atmosphere mixed with a variety of outdoor recreational activities. The city of Kalamazoo is located midway between Detroit and Chicago and is in close proximity to the shoreline of Lake Michigan.