Western Michigan University’s Civil Engineering programs involve the planning, design, construction, maintenance and operation of facilities and systems to control and improve the environment for modern civilizations.

Our students can earn the degree on a full-time or part-time basis and can have a design or research orientation.

Program options are in research, professional practice or technical and management development.

Concentrations include:
- Structures
- Transportation
- Construction Engineering and Management

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

Students can pursue a Ph.D. program in civil engineering through the College’s Ph.D. in Engineering and Applied Sciences Program.
Civil Engineering (M.S.)

Teaching, Research, and Program Focus Areas
WMU's Civil Engineering faculty have a broad range of experience including:

- Bridge Engineering which includes bridge condition assessment and repair, structural systems for rapid bridge construction, and non-destructive testing and evaluation.

- Earthquake Engineering which includes seismic risk evaluation and dynamic analysis and simulations of structures.

- Transportation Engineering which includes highway congestion modeling and remediation, highway mobility by utilizing communication and software technology towards an intelligent highway system.

- Construction Engineering and Management which includes project management, simulation of the construction environment, cyber-physical systems, and BIM.

Admissions
Students entering the M.S. program are expected to have a background equivalent to that of students graduating from the department's undergraduate civil and construction engineering degree programs, or to have such background through specified prerequisite coursework. Further, students are expected to have earned a grade-point average of at least 3.0/4.0 on the last four semesters of academic study. No GRE scores required. All application requirements are found on the department website: wmich.edu/cce/grad.php

Graduate Assistantships/Associateships
Several teaching assistantships are available on a competitive basis. Research positions are also available through grants secured by our faculty.

Contacts
Department of Civil and Construction Engineering
269-276-3210

Western Michigan University
One of the top-100 public universities in the United States, Western Michigan University offers many nationally known graduate programs, including 29 doctoral and 64 master’s degrees. More than 20 percent of its 25,000 students are enrolled in graduate course work.

Kalamazoo
With a population of more than 325,000, Kalamazoo is the sixth largest metropolitan area in Michigan and among the 150 largest in the country. Kalamazoo is rated one of the 25 best cities in the country for young college graduates, and is located midway between Chicago and Detroit.