



Civil Engineers have a direct impact on society through the design and construction of buildings, highways, railroads, bridges, airports, dams, tunnels, pipelines, and water resource systems that form the nation's infrastructure. Civil engineers work to reduce ground, air, and water pollution; repair and replace the deteriorating national infrastructure; improve congested transportation systems; and reduce the damage caused by natural disasters. Civil engineering is perhaps the broadest of the engineering professions and affects virtually every facet of civilization.

Career Opportunities

The employment outlook for civil engineers is very bright. Career opportunities are found in architectural and engineering design firms, construction companies, government agencies, manufacturing/material supply companies, and corporations with a large physical infrastructure.

Program Description

In the civil engineering program, you'll study mathematics; general education subjects; basic sciences; engineering methods, procedures, and management; transportation, structures and environmental engineering. You will also develop oral, graphic, and written communication skills and learn to work as part of a multidiscipline design team.

The Department of Civil and Construction Engineering at Western Michigan University offers undergraduate programs in civil engineering and construction engineering. The civil and construction engineering program is fully accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/>.

The department also offers a master of science degree in civil engineering.

Pre-Engineering

WMU's pre-engineering program ensures that you take the right sequence of courses and are ready for upper-level courses. Unlike many other schools, WMU does not set quotas for admission to engineering programs; students who fulfill the requirements of the pre-engineering program are admitted to the program of their choice.

Preparation

To enter the civil engineering program, you should have completed in high school at least three and a half years of college preparatory mathematics, including trigonometry, and two years of basic science such as physics and chemistry. If you lack some of this background, you may select courses at WMU to prepare you to enter the program. Transfer credit from other colleges and universities will be granted for courses that satisfy WMU's requirements.

Admissions

Admission to the University is processed by the Office of Admissions and Orientation. Write the Office of Admissions, Western Michigan University, Kalamazoo, MI 49008-5211, call (269) 387-2000 or visit www.wmich.edu/admissions

Advising

An academic advisor will work with you to ensure that you take the right sequence of courses and get maximum benefit from your studies at Western Michigan University. To an advisor, call (269) 276-3270.

Financial Aid

Information about financial assistance such as scholarships, work study employment opportunities, loans, and grants is available from the Office of Student Financial Aid and Scholarships.

Write Student Financial Aid, Western Michigan University, Kalamazoo, MI 49008-5337, call (269) 387-6000 or visit the web site www.wmich.edu/finaid

Cooperative Education

Students enrolled in engineering, technology and applied sciences degree programs may gain experience and knowledge about a professional field of interest by enrolling in the cooperative education program. For additional information contact the Co-op Coordinator, in the Advising Office, Room E-102 CEAS.

Placement

Career Services helps WMU students and alumni in job search planning. Call (269) 387-2745 or visit www.wmich.edu/career

For more information contact:
Department of Civil and Construction
Engineering
College of Engineering and
Applied Sciences
Western Michigan University
Kalamazoo, MI 49008-5316
call (269) 276-3210

Other programs at the College of Engineering and Applied Sciences:

Aerospace Engineering
Chemical Engineering
Construction Engineering
Computer Engineering
Computer Science
Electrical Engineering
Engineering Design Technology
Engineering Management Technology
Graphic & Printing Science
Industrial & Entrepreneurial Engineering
Manufacturing Engineering (Muskegon, Battle Creek, Southwest Regional Centers only)
Manufacturing Engineering Technology
Mechanical Engineering
Paper Engineering

Western Michigan University is an equal opportunity employer/affirmative action institution.

May 2013

