



Construction Engineers plan, design, and supervise the construction and maintenance of structures and facilities. They prepare detailed plans and specifications, estimate quantities and costs of materials and labor, prepare written documents such as proposals for contracts, test materials to be used, determine solutions to engineering problems, supervise construction and maintenance of projects, inspect existing or newly constructed projects and recommend repairs, perform technical research, and determine the impact of construction on the environment

Career Opportunities

Construction is the single largest industry in the United States. Career opportunities are found in construction contracting companies, government agencies, architectural/ engineering firms, and manufacturing/material supply companies.

Program Description

In the construction engineering program you will study mathematics, general education subjects, basic sciences, and business, as well as construction engineering, methods, procedures, codes and contracts, scheduling, estimating, and management. You will also practice communicating your ideas orally and in writing.

The Department of Civil and Construction Engineering at Western Michigan University offers undergraduate programs in civil engineering and construction engineering. Both are accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/>. The department also offers master of science degrees 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 construction 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
Civil 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.

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