Build your future.

ONLINE MASTER OF SCIENCE IN CIVIL ENGINEERING
Civil engineers undertake some of the most critical tasks in building our civilizations. In the 21st century, civil engineering remains a vital component of raising our global society’s quality of life and maintaining our planet’s ecological balance.

Ohio University’s online Master of Science in Civil Engineering (MSCE) program is an advanced program that meets the growing needs of civil engineering professionals who are actively defining our world while helping to satisfy the growing demand for leaders in the field of civil engineering.

Why OHIO?

At Ohio University’s Russ College, you’ll stay current as a civil engineer by learning how to address forces such as globalization, sustainability requirements and emerging technology that necessitate innovative engineering solutions.

Join us now to begin a rigorous and relevant education experience. The online Master of Science in Civil Engineering program is a unique opportunity to join our longstanding learning environment and earn a credible degree from an institution known for translating knowledge into creative solutions with far-reaching impact.

We hope that your life changes as a result of what you learn at the Russ College, so that when you graduate, you’ll be prepared to do work that changes the world. We invite you to become an engineer who creates for good.

Master of Science in Civil Engineering Overview

- Choose a concentration in Construction Engineering and Management, Environmental, Structural, or Transportation engineering.
- Complete the flexible MSCE program 100 percent online and stay active in your current career.
- Learn from a faculty of experienced engineers in a diverse range of specialties.
- No GRE required for qualified applicants.

Ready to get started or have questions? Call 1-877-273-1291 to speak with an Enrollment Advisor today.
About the Russ College of Engineering and Technology at Ohio University

Offering undergraduate and graduate degrees across the traditional engineering spectrum and in technology disciplines such as aviation, computer science, and engineering technology and management, the Fritz J. and Dolores H. Russ College of Engineering and Technology goes beyond technical education to produce meta-engineers and technologists who are poised to lead and influence the world around them.

The Russ College was first to articulate and commit to the ideal that engineers and technologists create for good, whereby our students, faculty and researchers work together to improve the human condition and make a sustainable mark on the world via a curriculum focused on collaboration and student professional development. World-class research in avionics engineering is an ongoing focus, with strategic research in transportation infrastructure, energy and the environment, and bioengineering. Named for alumnus Fritz Russ and his wife, Dolores, the College is home of the National Academy of Engineering Russ Prize, the top bioengineering prize in the world.

Frequently Asked Questions

1. How many terms do you have per year?
We have three terms per year - Spring, Summer, Fall.

2. What are the admission requirements for the program?
Because we assess each applicant individually, it is best to contact your Enrollment Advisor.

3. What is the program format?
All courses are completely online. Students will have access to Blackboard, a virtual classroom where faculty and students interact. Students will also work from the Virtual Desktop, where all software needed to complete the program coursework will be available.

Rankings

U.S. News & World Report has ranked Ohio University among the nation’s Best National Universities and for Best Online Programs for graduate engineering.

Ohio University is regionally accredited by The Higher Learning Commission (HLC), a Commission of the North Central Association of Colleges and Schools.

Curriculum Overview

The online M.S. degree in Civil Engineering requires 32 credit hours and concentrates on four major areas of need within the profession – Construction Engineering and Management, Environmental, Structural, or Transportation. Students can choose to follow one of the focused tracks.

Core Courses:
Applied Civil Engineering Statistics (3 hrs.)
Engineering Writing (3 hrs.)
Project Management (4 hrs.)
Construction Planning and Scheduling (3 hrs.)
Seminar (1 hr.)

Construction Engineering and Management Courses:
Pavement Design (3 hrs.)
Transportation Design (3 hrs.)
Environmental Analysis of Transportation Systems (3 hrs.)
Construction Estimating and Equipment (3 hrs.)
Project Development, Contracts, and Law (3 hrs.)
Heavy Construction Management (3 hrs.)

Environmental Engineering Courses:
Chemical Fate and Transport (3 hrs.)
Advanced Water Treatment (3 hrs.)
Advanced Wastewater Treatment (3 hrs.)
Open Channel Hydraulics (3 hrs.)
Environmental Geotechnology (3 hrs.)
Environmental Analysis of Transportation Systems (3 hrs.)

Structural Engineering Courses:
Advanced Steel Design (3 hrs.)
Prestressed Concrete Design (3 hrs.)
Timber Design (3 hrs.)
Pavement Design (3 hrs.)
Bridge Engineering (3 hrs.)
Transportation Design (3 hrs.)

Transportation Engineering Courses:
Pavement Design (3 hrs.)
Bridge Engineering (3 hrs.)
Transportation Design (3 hrs.)
Highway Safety and Risk Assessment (3 hrs.)
Traffic Parameters (3 hrs.)
Environmental Analysis of Transportation Systems (3 hrs.)

Ready to positively impact the world with an online Master of Science in Civil Engineering?
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