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. That’s why Ohio University offers an online Master of Science in Civil Engineering (MSCE) designed to meet the growing needs of civil engineering professionals who are actively defining our world.

With our online MSCE, you can:

- Study 100% online and stay active in your current career.
- Learn from a faculty of experienced engineers in a diverse range of specialties.
- Benefit from no GRE requirement for qualified applicants.
- Focus your studies by choosing from four in-demand concentrations.

Which concentration is right for you?
Call 1-877-273-1291 to speak with an enrollment advisor or visit onlinemasters.ohio.edu/masters-civil-engineering

Your foundation is set. Now build on it.

Four Concentrations. Endless Opportunity.

» Transportation Engineering
Learn the microscopic and macroscopic fundamentals of traffic flow and transportation design. Examine environmental assessment in transportation planning and highway safety improvement measures.

» Structural Engineering
Investigate the practical and technical aspects of designing and maintaining safe, reliable structures with a variety of materials — and discover how to best use these materials in bridge engineering and transportation design.

» Construction Engineering and Management
Examine the intricacies of heavy construction and transportation systems from an economic and scientific perspective. Explore the essential topics related to lawful, safe, efficient, and cost-effective construction methods.

» Environmental Engineering
Learn advanced theories related to water and wastewater treatment plant design. Study water remediation technologies, the flow of floodwaters, and the physical processes controlling the transport of pollutants in surface water and soils.
Curriculum

Coursework for the online MSCE can prepare you to effectively supervise, plan, design, construct, and operate the infrastructure essential to connect the modern world. The 32-credit-hour program can be completed 100% online in as few as five semesters.

Core Courses

- Applied Civil Engineering Statistics
- Engineering Writing
- Project Management
- Construction Planning and Scheduling
- Seminar

Construction Engineering and Management Courses

- Transportation Design
- Environmental Analysis of Transportation Systems
- Construction Estimating and Equipment
- Project Development, Contracts, and Law
- Heavy Construction Management
- Pavement Design

Environmental Engineering Courses

- Open Channel Hydraulics
- Chemical Fate and Transport
- In Situ Remediation
- Advanced Water Treatment
- Advanced Wastewater Treatment
- Environmental Analysis of Transportation Systems

Structural Engineering Courses

- Advanced Steel Design
- Prestressed Concrete Design
- Structural Reliability
- Timber Design
- Bridge Engineering
- Computer Aided Structural Design

Transportation Engineering Courses

- Pavement Design
- Traffic Impact Studies
- Environmental Analysis of Transportation Systems
- Transportation Design
- Highway Safety and Risk Assessment
- Traffic Parameters

“Since being in the MSCE program at Ohio University, I have gained connections by collaborating with both professors and students. This has allowed me to apply what I’ve learned in the class to what I’m doing on the job.”

Lisa Martellaro-Palmer, MSCE ‘16
Admission Requirements

- Bachelor’s degree in civil engineering from an ABET-accredited university
- 3.0 GPA or higher
- If applicable, students may also need to include TOEFL or IELTS scores

It’s important to note that we assess each applicant individually. If you don’t meet all the admissions criteria, give us a call to discuss your background and eligibility.

About OHIO’s Russ College of Engineering and Technology

At the Fritz J. and Dolores H. Russ College of Engineering and Technology, we teach students how to become technical experts who can also think about the big picture. We produce meta-engineers and technologists who are poised to lead and influence the world around them. We offer undergraduate and graduate degrees across the traditional engineering spectrum and in technology disciplines, including aviation, computer science, and engineering technology and management. For more than a century, we’ve been teaching engineers how to prepare for what’s to come. We’re ready. Are you?

Ranked among the nation’s “Best Online Programs” for Graduate Engineering by U.S. News & World Report.

Ohio University is regionally accredited by The Higher Learning Commission (HLC).

Named a “Best College” by The Princeton Review

Among our online MSCE grads:

- 75% rated the program as either very good or excellent
- 75% said the MSCE provided personal satisfaction
- 50% saw their salary increase following graduation

“This program was very rewarding to me. I learned so many new things, especially in topics I had no previous familiarity with. I also found that I could do so much more than I previously thought. In 20 months, I went from no graduate school experience, to a MSCE degree.”

Matthew Anderson, MSCE ‘16

Want to discuss the application process?
Call 1-877-273-1291 to speak with an enrollment advisor or visit onlinemasters.ohio.edu/masters-civil-engineering