



# Environmental Science and Engineering

## Master of Science in Civil and Environmental Engineering

The Environmental Science and Engineering master's program from the Department of Civil and Environmental Engineering at the University of Wisconsin-Madison teaches you how to apply science to solve complex environmental problems.

### IS THIS PROGRAM RIGHT FOR YOU?

At UW-Madison, our graduate research program is dynamic and multidisciplinary, so you gain a deeper understanding of chemistry, biology, and systems thinking to better approach your work.

In just one year, you will learn to comprehensively address practical problems associated with drinking water and wastewater treatment, air quality, environmental chemistry, sustainable design, energy efficiency, and solid and hazardous waste remediation. Additionally, this master's program explores the combination of law and practice, so you discover how to develop and enforce environmental policies and regulations that forge the way for a greener future.

Engineering and environmental chemistry professors, visiting professors, academic staff members, and fellow students provide context for your studies. We sustain a broad range of research topics, so you can explore environmental chemistry, wastewater treatment, drinking water treatment, freshwater quality, environmental microbiology, bioenergy production, sustainable engineering design, and more.

With a master's degree in Environmental Science and Engineering, you are at the forefront of rapidly developing and world-changing innovations.

### WHAT YOU LEARN

- The latest technologies in drinking water treatment and wastewater treatment
- Best practices for sustainability and environmental protection of water, soil, and air resources
- The most useful engineering approaches to protect public health from environmentally-derived hazards such as polluted water and air
- How to identify and remediate groundwater and surface water issues to protect natural resources

### TIME FRAME

1 year

### MODE OF INSTRUCTION

Face-to-face on campus

### REQUIREMENTS

Coursework only, no thesis. At least 30 credits required for Master of Science degree.

### TUITION

Resident: \$6,090/semester  
+ \$3,002 for 6 summer credits  
Non-Resident: \$12,753/semester  
+ \$6,334 for 6 summer credits

*Tuition rates as of fall 2019. Additional fees may apply.*

### APPLICATION DEADLINE

December 15 for fall 2020 program

### TYPICAL CURRICULUM

- Environmental Sustainability Engineering
- Air Pollution Effects, Measurement and Control
- Wastewater Treatment Plant Design
- Water Treatment Plant Design
- Environmental Systems Optimization
- Water Chemistry
- Hazardous Waste Management
- Biological Treatment Processes

### LEARN MORE

[go.wisc.edu/environmental-science-engineering](http://go.wisc.edu/environmental-science-engineering)

### QUESTIONS?

Contact [cee.gradadmissions@engr.wisc.edu](mailto:cee.gradadmissions@engr.wisc.edu).