GRADUATE SCHOOL

COLLEGE OF ENGINEERING

EARN YOUR GRADUATE DEGREE IN ENVIRONMENTAL ENGINEERING

ENVIRONMENTAL ENGINEERING (MS, PHD)
ENVIRONMENTAL ENGINEERING SCIENCE (MS)

GLOBAL OPPORTUNITIES
The environmental engineering program offers research-based graduate degrees leading to an MS or PhD in Environmental Engineering and an MS in Environmental Engineering Science. For students interested in a non-research option, we also offer a course-work-only MS degree in Environmental Engineering. Students interested in combining their graduate studies with overseas or national service can pursue our Peace Corps Master's International or OSM/Vista programs.

Graduate students in all programs develop a deeper understanding of how human systems impact the natural environment and how to engineer systems to protect human health and ecosystems. Sustainability is integrated throughout the curriculum, and faculty and students regularly work on interdisciplinary research projects that interface with the Sustainable Futures Institute; the Earth, Planetary and Space Sciences Institute; the Center for Water and Society, and the Great Lakes Research Center, and faculty in the areas of biological sciences, chemistry, forestry, geological engineering and sciences, chemical and mechanical engineering, and environmental policy.

Through several international programs, students can also play a critical role in the facilitation of appropriate technology, beneficial infrastructure, and social change in low-income communities throughout the world.

NATIONAL RECOGNITION
Research funding comes from a wide variety of sources, including federal and state governments, industry, and foundations. The department attracts more than $3 million in research funds each year. U.S. News & World Report has also ranked Michigan Tech’s environmental engineering graduate program in the top fifty in the nation.

WORLD-CLASS FACILITIES
Environmental engineering is housed in the $45 million Dow Environmental Sciences and Engineering building, overlooking the Keweenaw Waterway. The new $25 million Great Lakes Research Center, completed in 2012, provides additional research facilities. Graduate students have access to more than 43,000 square feet of research and teaching laboratories with state-of-the-art equipment for drinking water and wastewater treatment, organic and inorganic contaminant characterization, air- and water-quality monitoring, and sediment analysis. Laboratory facilities provide opportunities ranging from small-scale batch and continuous-flow kinetic studies of engineered systems to large-scale simulations of mesocosms of the natural environment. The University also maintains its own research vessel, the Agassiz, which allows researchers to take advantage of the largest freshwater laboratory in the world: Lake Superior.

ENVIROMENTAL ENGINEERING SPOTLIGHT
“...I believe that to advance sustainability science and tackle multidimensional problems . . . we must develop a broader set of research-knowledge-tools that help us integrate studies across disciplines. At Michigan Tech I was encouraged to develop such a skillset.”

Agustin Robles-Marua
PhD, 2011

www.mtu.edu/cee/graduate • www.mtu.edu/gradschool
ADMISSION REQUIREMENTS

Application deadline: Apply by January 15 for full funding consideration for the fall semester. Applications are reviewed on an individual basis using a holistic approach.

All Students
• Graduate School application
• Statement of purpose
• Official transcripts
• Résumé/curriculum vitae
• GRE required (Tech students exempt)*
• Two letters of recommendation
• Admitted applicants typically have an undergraduate GPA of 3.0/4.0 or better.

International Students
• TOEFL: Recommended score of 100 iBT

*All students seeking graduate teaching assistantship support must submit official GRE scores.

FINANCE YOUR FUTURE

Earning your graduate degree is an investment in your career and your future. Here are a few financial aid opportunities you can explore as you look for ways to pay for your degree.

• Graduate research assistantships (GRAs), graduate teaching assistantships (GTAs), and fellowships are awarded competitively.
• Many graduate students are eligible for a new set of federal loans, up to $20,500 per academic year, as an independent student.
• Contact Michigan Tech’s Financial Aid Office at 906-487-2622 or finaid@mtu.edu for more information on financial aid opportunities.

ABOUT MICHIGAN TECH

Michigan Technological University, founded in 1885, has gained worldwide recognition for innovative education and scholarship. Michigan Tech is a leading public research university, exploring the boundaries of knowledge, developing new technologies, and preparing students to create the future for a prosperous and sustainable world. Michigan Tech offers more than seventy graduate degree programs in engineering, forestry and environmental sciences, computing, business and economics, natural and physical sciences, technology, humanities, and social sciences.

ABOUT HOUGHTON

Houghton lies in the heart of Upper Michigan’s scenic Keweenaw Peninsula. The campus overlooks the Keweenaw Waterway and is just a few miles from Lake Superior. The area’s waters and forests, including our 600-acre recreational forest adjoining campus, offer students unparalleled opportunity for outdoor recreation and relaxation. The University’s 7,000 students come from all fifty states and more than sixty nations, making the area a vibrant, multicultural community.

APPLYING IS EASY—AND FREE!

www.mtu.edu/gradschool/admissions/apply

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Graduate School
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