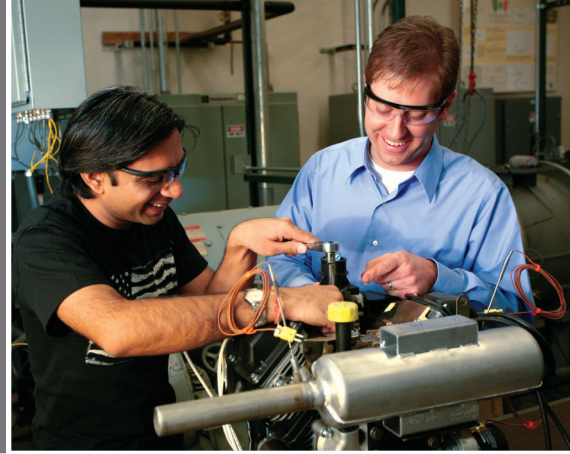


# GRADUATE SCHOOL

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## COLLEGE OF ENGINEERING



EARN YOUR GRADUATE DEGREE FROM ME-EM

## MECHANICAL ENGINEERING-ENGINEERING MECHANICS (PHD) MECHANICAL ENGINEERING (MS), ENGINEERING MECHANICS (MS)

### BUILD YOUR PROFESSIONAL STATURE

With a graduate degree from the Department of Mechanical Engineering-Engineering Mechanics (ME-EM) you will be prepared to create the future. Our graduate program is nationally ranked in the top seventy-five by *US News & World Report* and offers students a wide range of challenging and rewarding courses of study. The PhD in Mechanical Engineering-Engineering Mechanics is a research-intensive program from which 80 percent of our PhD graduates go to work in industry. The MS degrees in Mechanical Engineering and Engineering Mechanics are offered with a project component or as the Signature Master's course work degree, which can be completed in one year. The MS often has a strong application in industry or serves as the basis for the PhD. ME-EM is a key contributor to achieving technological, environmental, industrial, and societal sustainability.

Our department is one of the largest in the nation with more than forty full-time faculty members and approximately 320 graduate students, more than 100 of who are PhD students. The ME-EM course offerings are structured along four curricular areas: design and dynamic systems, energy-thermofluids, manufacturing and industry, and solid mechanics, with a heavy emphasis placed on graduate student participation in laboratory investigations, industrial projects, and interdisciplinary studies.

### GRADUATE DEGREE RESEARCH

Our research is focused in five key areas: advanced power systems, multi-scale sensors and systems, multidisciplinary engineering dynamic systems, mechanics of multi-scale materials, and space systems. The department's annual research expenditures exceed \$12 million with support from federal, state, and industrial sources. Due to our rapid growth, we have extensive research laboratories on campus and at satellite locations. We also offer an online course-work MS for domestic students and a PhD for domestic engineers employed in a research and development environment. Research is conducted with faculty supervision at your R&D facilities. To learn more, visit [research.me.mtu.edu](http://research.me.mtu.edu).

### ME-EM SPOTLIGHT



Mark Griep, PhD '08

"Michigan Tech's international diversity was highly influential on my career. Tech offered vibrant international and cultural opportunities to genuinely experience diversity. It was these experiences that drove me to pursue a Fulbright Fellowship in Taiwan following graduation, and I am now moving toward an international focus in my career."



## ADMISSION REQUIREMENTS

**Application deadline:** Apply by March 1 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
- GRE\*: Recommended Quantitative Score of 162 and Total Score of 315
- Two letters of recommendation\*
- Admitted applicants typically have an undergraduate GPA of 3.3/4.0 or better
- Bachelor's degree in Mechanical Engineering or closely related technical field

\*Michigan Tech students exempt

### International Students (in addition to above)

- TOEFL: Recommended score of 90 iBT

## 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 fifty graduate degree programs in engineering, forestry and environmental sciences, computing, business and economics, natural and physical sciences, technology, humanities, and social sciences.

## INVEST IN YOUR FUTURE

Earning your graduate degree is an investment in your future. Opportunities you can explore as you look for ways to support your graduate studies include:

- US federal fellowships, may be restricted to US citizens or residents. Highly competitive; applications should be prepared in collaboration with your advisor and the Michigan Tech Graduate School.
- Federal loans, up to \$20,500 per academic year, as an independent student.
- Graduate research assistantships (GRAs) awarded by ME-EM faculty members. Graduate teaching assistantships (GTAs) may be awarded to students with excellent English skills and technical abilities.
- Contact Michigan Tech's Financial Aid Office at 906-487-2622 or [finaid@mtu.edu](mailto:finaid@mtu.edu) for more information on financial aid opportunities.

## 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.

**Michigan Tech**



## APPLYING IS EASY—AND FREE!

[www.mtu.edu/gradschool/admissions/apply](http://www.mtu.edu/gradschool/admissions/apply)

### Mechanical Engineering-Engineering Mechanics

R. L. Smith ME-EM Building, Room 815

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[www.mtu.edu/mechanical/graduate](http://www.mtu.edu/mechanical/graduate)

[www.mtu.edu/mechanical/graduate/advising](http://www.mtu.edu/mechanical/graduate/advising)

## Graduate School

Email [gradadms@mtu.edu](mailto:gradadms@mtu.edu) or call 906-487-2327

[www.mtu.edu/gradschool](http://www.mtu.edu/gradschool)