

Michigan Technological University
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Graduate School
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Michigan Technological University is an equal opportunity educational institution/equal opportunity employer.

MichiganTech



MS IN ELECTRICAL ENGINEERING—ENERGY SYSTEMS ONLINE LEARNING

Degree Requirements

The MS in Electrical Engineering through online learning requires thirty credits of course work (ten courses); no thesis is required.

A minimum of 20 electrical-engineering credits must be taken at Michigan Tech. Up to 10 accepted credits may be transferred from other accredited institutions. For more information on transfer credits, be sure to consult with an advisor before you enroll.

The student version of MATLAB software is required and can be purchased through the Michigan Tech Campus Bookstore. For computer operating system requirements, see www.mathworks.com/support/sysreq/.

About Michigan Tech

Michigan Technological University is a leading public research university of international stature, conducting research, developing new technologies, and preparing students to create the future for a prosperous and sustainable world. Michigan Tech offers more than 120 undergraduate and graduate degree programs in engineering, forestry and environmental sciences, computer sciences, technology, business and economics, natural sciences, arts, humanities, and social sciences.

How to Apply

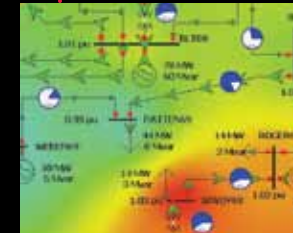
1. Download an application form from the Graduate School webpage.
2. Submit the completed application online, or mail or fax it to the Graduate School.
3. Track the status of your application online.

Visit the Graduate School webpage for complete details about admissions and program requirements.

www.gradschool.mtu.edu

MichiganTech

Create the Future . . .
Change the World.



MS IN ELECTRICAL ENGINEERING—ENERGY SYSTEMS ONLINE LEARNING

www.gradschool.mtu.edu

Since 1930, Michigan Tech has offered a Master of Science in Electrical Engineering. More than seventy-five years later, Michigan Tech is still among the world's leaders in providing quality electrical engineering education. While our on-campus program is well-established, we know that many potential graduate students are successfully working in the field. Recognizing this, we are meeting the energy sector's growing demand for engineers with advanced competencies via the **MS in Electrical Engineering with an emphasis on energy systems through online learning.**



MS IN ELECTRICAL ENGINEERING—POWER SYSTEMS ONLINE LEARNING

Program Structure

Online learning in electrical engineering enables professionals to earn course credit from the comfort of their office or home, viewing lectures at a time of their convenience.

Off-campus students enroll in the same classes as on-campus students. Both follow the same syllabus and schedule and, with few exceptions, complete the same course work.

On-campus courses are videotaped, streamed, and made available after each class session via the Internet to off-campus students. Interaction and discussion between faculty and students are facilitated by a class email forum, phone calls, and web-cam conferencing. Off-campus students submit assignments by fax or by email.

The online program affords professionals flexibility in viewing class lectures and completing course work and allows them to earn a degree, gain additional training, or complete requirements for professional certification without interrupting their professional paths.

Stature

The MS in Electrical Engineering is accredited by the North Central Association of Colleges and Schools Commission on Institutions of Higher Education (NCA). The program enjoys strong ties with the power industry, and the online learning option lets participants interact with other successful professionals around the country.

Flexibility: Earn a Degree or Pursue Professional Development

Students may enroll as a master's degree candidate or as a non-degree-seeking student. Course work may be audited or taken for credit. For those not immediately seeking a degree, course work can be applied toward

- professional development or training (CEUs)
- continuing education requirements for professional engineering license renewals (PDHs)
- transfer of credit to another institution

The Faculty

The Department of Electrical and Computer Engineering faculty are active in professional societies, have received numerous awards, and are in editorial positions on national and international journals. They have also authored and contributed to graduate and undergraduate textbooks.

Online learning courses are taught by the panel of expert faculty whose interests are focused in energy systems.

Current Program Offerings

EE4221—Power System Analysis

EE4222 —Power System Analysis 2

EE4800 —Power Electronics

EE 5200—Advanced Methods in Power Systems

EE 5220—Transient Analysis Methods

EE 5223—Power System Protection

EE 5230—Power System Operations

EE 5240—Computer Modeling of Power Systems

EE 5250—Distribution Engineering

EE 5260—Integrating Wind into Power Systems

EE 6210—Power System Dynamics and Stability

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More About Online Learning

Visit the Tech Online site, www.techonline.mtu.edu, for information on all aspects of online learning at Michigan Tech.

