Launch yourself into the technological revolution that is changing the world.
The technology that shapes how we and shapes society is more powerful and changing more rapidly than any other time in human history. We are at the cusp of a digital revolution that will transform the environments for us all—now and forever.

We invite you to visit our campus, and tour our department. Please call 888-688-1885 to set up a visit.

Michigan Technological University is a public research university, home to more than 7,000 students from 54 countries. Founded in 1885, the University offers more than 120 undergraduate and graduate degree programs in science and technology, engineering, forestry, business and economics, health professions, humanities, mathematics, and social sciences. Our campus in Michigan’s Upper Peninsula overlooks the Keweenaw Waterway and is just a few miles from Lake Superior.

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer, which includes providing equal opportunity for protected veterans and individuals with disabilities.

There are many excellent reasons to choose ECE at Michigan Tech. Here are just a few:

**Friendly Learning Environment**
We offer the advantages of a large engineering program in a small-college atmosphere. Faculty and staff are easily accessible and enjoy mentoring students.

**Excellent Faculty**
Courses in our department are taught by faculty who are nationally recognized for their contributions to engineering education, research, and practice.

**State-of-the-Art Facilities**
Our multimillion-dollar labs provide hands-on learning experiences. You’ll enjoy cutting-edge equipment—from lasers and microcontrollers to robots, power stations, and more—along with industry standard software and current generation computer systems.

**Unique Lab Curriculum**
We have strategically integrated our key courses with labs that will lead you to discover the basic principles that govern the field.

**Industry Experience**
Participate in Senior Design, Enterprise, internships, and co-ops—our excellent programs give you a chance to work directly with industry before graduation.

**Sustainable Future**
Our students contribute to the advancement of green, renewable, and alternative energy, including solar and wind power, hybrid power, and more.

**Global Opportunities**
Our students have studied in Norway, Australia, Germany, Italy, France, Spain, Denmark, The Netherlands, Japan, China, Ghana, Chile, Ireland, and other locations.

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- We are at the cusp of a digital revolution that will transform the environments for us all—now and forever.
- The world of the future—the very near future—will be characterized by trillions of devices connected in a robust internet of things, equipped with advanced sensors, communicating at the speed of light over a fast network, and working together using the latest algorithms for artificial intelligence and deep learning.
- None of this happens without electrical and computer engineers who design, implement, and test all of the pieces of the systems. The work is important. Opportunities abound in these areas:
  - green energy solutions
  - autonomous vehicles
  - robotics and automation
  - energy storage
  - artificial intelligence
  - cyber security
  - the Internet of Things
  - next-generation smart grids
  - biomedical technology
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Computer Engineering

Working in a computer engineering position can give you a wide range of opportunities, from designing nano-technologies to inventing bionic implants. You may work with software that detects brain tumors or create wireless sensor networks. Robotic solutions, including a fully functional artificial intelligence to create a wide variety of mobile robots, are also possible.

Computer engineers who understand computer hardware and software are in high demand, and you may find yourself working with other engineers who understand physical systems. It takes teamwork to bring creative ideas to life. In your senior year, you can work on an interactive walker for disabled toddlers, and the WINGS navigation system for blind skiers. Many of our students get involved in cutting-edge research and gain valuable experience.

Join an Enterprise team to solve real-world problems and explore new technologies. Our teams are open to any major and operate like companies in the private sector. It takes teamwork to bring creative ideas to life. In your senior year, you can work on an interactive walker for disabled toddlers, and the WINGS navigation system for blind skiers. Many of our students get involved in cutting-edge research and gain valuable experience.

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Computer simulation.

Effects for movies to predicting the much earlier, from creating special software that detects brain tumors to inventing technologies for bionic implants to inventing a range from designing nano-technologies to designing a computer system.

Computer engineering projects range from designing nano-technologies to designing a computer system.

Working as a computer engineer, you, too, can gain experience working with other engineers to design a satellite control system. You, too, can gain experience working with other engineers to design a satellite control system.

Computer engineers who understand networking, robotics, or VLSI system design.

Working as a computer engineer, you may specialize in one area, such as embedded systems, computer science, or computer engineering projects.

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Senior Design
It takes teamwork to bring creative ideas to life. In your senior year, you can work on a project for industry. The experience is more like a “first job” than a “last class.” Recent projects include:
- Solar-powered charging device for electric vehicles
- Brain wave sensor device (EEG) for children, including a wireless brain wave emulator
- Systems with the internet, design robots for thousands of different tasks, and systems made possible by sensors for a robot, or imaging techniques to produce holograms, design vision sensors, and work your way up to further, into all the products, components, and systems made possible by electronics, and voltage at extraordinarily high speeds and microscopic scales.
- Microsoft, Tesla, ArcelorMittal, NuCor, Ford, Boston Scientific, Microsoft, and Consumers Power, among many others. Some of our graduates find employment in companies interested in our students, and more than 300 companies come to campus each year to recruit Michigan Tech students, and more than 300 companies come to campus each year to recruit Michigan Tech students, and more than 300 companies come to campus each year to recruit Michigan Tech students, and more than 300 companies come to campus each year to recruit Michigan Tech students, and more than 300 companies come to campus each year to recruit Michigan Tech students, and more than 300 companies come to campus each year to recruit Michigan Tech students, and more than 300 companies come to campus each year to recruit Michigan Tech students, and more than 300 companies come to campus each year to recruit Michigan Tech students, and more than 300 companies come to campus each year to recruit Michigan Tech students, and more than 300 companies come to campus each year to recruit Michigan Tech students, and more than 300 companies come to 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