

# MICHIGAN TECHNOLOGICAL UNIVERSITY

Houghton 49931

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GLENN D. MROZ, President

## **Michigan Technological University**

Established by Act 70 of 1885, the Michigan Mining School first offered instruction to students on September 15, 1886. The name was changed to Michigan College of Mines in 1897 and to Michigan College of Mining and Technology in 1927. The most recent name change to Michigan Technological University in 1964 was made to reflect the broad spectrum of programs offered in the physical and social sciences, engineering, forestry, business, the liberal arts, and technology.

### ***Undergraduate Programs***

The Bachelor of Science degree is conferred in accounting, anthropology, applied ecology and environmental sciences, applied geophysics, applied physics, audio production and technology, biochemistry and molecular biology, bioinformatics, biological sciences, biomedical engineering, chemical engineering, cheminformatics, chemistry, civil engineering, clinical laboratory science, computer engineering, computer network and system administration, computer science, computer systems science, construction management, economics, electrical engineering, electrical engineering technology, engineering, environmental engineering, exercise science, finance, forestry, geological engineering, geology, management, management information systems, marketing, materials science and engineering, mathematics, mechanical engineering, mechanical engineering technology, operations and systems management, pharmaceutical chemistry, physics, psychology, scientific and technical communication, social sciences, software engineering, sports and fitness management, surveying engineering, and wildlife ecology and management.

A Bachelor of Arts degree is conferred in liberal arts with concentrations in English, secondary education English, liberal arts, and history. A BA is also offered in communication, culture and media, scientific and technical communication, sound design, and theatre and electronic media performance.

### ***Teacher Certification***

The Department of Education, in cooperation with academic departments, offers programs leading to secondary school teacher certification in biological sciences, chemistry, clinical laboratory science, computer science, earth science, economics, English, integrated science, mathematics, physics, social studies, and technology and design.

### ***Graduate Programs***

A Master of Science degree is offered in applied cognitive science and human factors, applied ecology, applied natural resources economics, applied science education, biological sciences, chemical engineering, chemistry, civil engineering, computer engineering, computer science, electrical engineering, engineering mechanics, environmental engineering, environmental engineering science, environmental policy, forest ecology and management, forest molecular genetics and biotechnology, forestry, geological engineering, geology, geophysics, industrial archaeology, integrated geospatial technology, materials science and engineering, mathematical sciences, mechanical engineering, mining engineering, Peace Corps Master's International programs, physics, and rhetoric and technical communication.

A Master of Engineering degree is offered in civil engineering, engineering, environmental engineering, and hybrid electric drive vehicle engineering. A Master of Business Administration, Master of Forestry, and Professional Master of Science also are offered.

A doctoral degree is offered in applied cognitive science and human factors, atmospheric science, biological sciences, biomedical engineering, chemical engineering, chemistry, civil engineering, computational science and engineering, computer engineering, computer science, electrical engineering, engineering physics, environmental engineering, forest molecular genetics and biotechnology, forest science, geological engineering, geology, geophysics, industrial heritage and archaeology, materials science and engineering, mathematical sciences, mechanical engineering-engineering mechanics, mining engineering, physics, and rhetoric and technical communication.

### ***Associate Degrees***

An associate degree in humanities is offered.

### ***Research Agencies***

Specialized research units include the Advanced Power Systems Research Center, Advanced Sustainable Iron and Steel Center, Biotechnology Research Center, Center for Computer Systems Research,

Center for Integrated Systems in Sensing, Imaging, and Communication, Center for Water and Society, Computational Science and Engineering Research Institute, Earth, Planetary and Space Sciences Institute-Lake Superior Ecosystem Research Center, Ecosystem Science Center-National Institute for Climatic Change Research, Institute for Engineering Materials, Institute for Leadership and Innovation, Institute of Materials Processing, Keweenaw Research Center, Michigan/Air Force Center of Excellence in Electronic Propulsion, Michigan Tech Research Institute, Michigan Tech Transportation Institute-University Transportation Center for Materials in Sustainable Transportation Infrastructure, Multi-Scale Technologies Institute, Power and Energy Research Center, and Sustainable Futures Institute-Center for Environmentally Benign Functional Materials, Center for Fundamental and Applied Research in Nanostructured and Lightweight Materials.

**Accreditations**

The university is accredited by the North Central Association of Colleges and Schools, the Higher Learning Commission. Its curricula in the following fields of engineering are accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET): biomedical engineering, chemical engineering, civil engineering, computer engineering, electrical engineering, engineering (interdisciplinary or special focus), environmental engineering, geological engineering, materials science and engineering, and mechanical engineering. The following programs in engineering technology are accredited by the Technology Accreditation Commission of ABET (TAC-ABET): electrical engineering technology and mechanical engineering technology.

The curriculum in chemistry is certified by the American Chemical Society. Fourth-year instruction in the clinical laboratory science 3+1 option is carried out in hospitals accredited by the National Accrediting Agency for the Clinical Laboratory Sciences (NAACLS).

The Bachelor of Science in Forestry and Master of Science in Forestry programs are accredited by the Society of American Foresters.

All School of Business and Economics undergraduate degrees (accounting, finance, management, management information systems, marketing, and operations and systems management), as well as the MBA and the MBA Online, are accredited by the Association to Advance Collegiate Schools of Business (AACSB). Accounting students may qualify to sit for professional certification exams, including the CPA exam, by choosing appropriate coursework.

The Michigan Board of Education approves the secondary teacher certification programs.

<i><b>Credit Enrollment (fall head count)</b></i>	<i><b>2009</b></i>	<i><b>2010</b></i>
Undergraduate enrollment. . . . .	5,943	5,716
Graduate enrollment. . . . .	1,189	1,241
TOTAL . . . . .	7,132	6,957