

# MICHIGAN TECHNOLOGICAL UNIVERSITY

Houghton 49931-1295



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## **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 anthropology, applied ecology and environmental sciences, applied geophysics, applied physics, audio production and technology, biochemistry and molecular biology, bioinformatics, biological sciences, biomedical engineering, business administration, chemical engineering, cheminformatics, chemistry, civil engineering, clinical laboratory science, computer engineering, computer network and system administration, computer science, computer systems science, economics, electrical engineering, engineering, engineering technology, entertainment technology, environmental engineering, exercise health, forestry, geological engineering, geology, mathematics, mechanical engineering, materials science and engineering, pharmaceutical chemistry, physics, psychology, scientific and technical communication, social sciences, software engineering, surveying, and wildlife ecology and management.

A Bachelor of Arts degree is conferred in liberal arts with options in English, secondary education English, liberal arts, and history; it is also offered in communication and culture studies, scientific and technical communication, sound design, and technical theater.

### ***Graduate Programs***

A Master of Science degree is offered in applied ecology, applied science education, biological sciences, business administration, chemical engineering, chemistry, civil 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, materials science and engineering, mathematical sciences, mechanical engineering, mineral economics, mining engineering, physics, and rhetoric and technical communication.

A Master of Engineering degree is offered in civil engineering and environmental engineering. A Master of Forestry and a Professional Master of Science is also offered.

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

### ***Associate Degrees***

Associate Applied Science degrees are granted in chemical engineering technology, civil engineering technology, electrical engineering technology, electromechanical engineering technology, and engineering technology. An Associate in Humanities is also offered.

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

### ***Research Agencies***

Specialized research agencies include the Biotechnology Research Center, Center for Integrated Systems in Sensing, Imaging, and Communication, Computational Science and Engineering Research Institute, Ecosystem Science Center, Institute for Engineering Materials, Institute of Materials Processing, Isle Royale Institute, Keweenaw Research Center, Lake Superior Ecosystem Research Center, Michigan Tech Research Institute, Michigan Tech Transportation Institute, Multi-Scale Technologies Institute, Power and Energy Research Center, Product and Process Architecture Alignment Consortium, Remote Sensing Institute, and Sustainable Futures Institute.

## 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): chemical engineering, civil engineering, electrical engineering, engineering, 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: civil engineering technology, electrical engineering technology, electromechanical engineering technology, and engineering technology with concentrations in electrical engineering technology and mechanical engineering technology.

The curriculum in chemistry is approved by the American Chemical Society, and that in surveying is approved by the Related Accreditation Commission of ABET. The forestry program is accredited by the Society of American Foresters. The BSBA degree program of the School of Business and Economics is accredited by The Association to Advance Collegiate Schools of Business — (AACSB) International. Accounting students may qualify to sit for professional certification exams, including the CPA exam, by choosing appropriate coursework.

Fourth-year instruction in the 3+1 clinical laboratory science option is carried out in hospitals accredited by the National Accrediting Agency for the Clinical Laboratory Sciences (NAACLS). The secondary teacher certification programs are approved by the Michigan Board of Education.

<b>Credit Enrollment (fall head count)</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Standard Learning .....	6,144	6,388	6,448
On-Line Learning .....	396	122	102
Total .....	6,540	6,510	6,550

### STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET ASSETS

<b>Operating Revenues</b>	<b>2004-2005</b>	<b>2005-2006</b>
Student Tuition and Fees (Net of Scholarship Allowances of \$15,707,288 and \$15,974,060) ..	\$ 38,899,981	\$ 43,716,315
Federal Grants and Contracts .....	19,893,070	19,222,771
State and Local Grants and Contracts .....	3,695,352	2,675,488
Nongovernmental Grants and Contracts .....	8,401,722	9,448,435
Educational Activities .....	4,008,619	4,297,671
Sales and Services of Departmental Activities .....	9,482,759	9,204,817
Student Resident Fees .....	13,800,896	15,694,452
TOTAL OPERATING REVENUES .....	\$ 98,182,399	\$104,259,949
<b>Operating Expenses</b>		
Compensation and Benefits .....	\$ 98,715,441	\$105,201,392
Supplies and Services .....	42,734,687	44,461,259
Student Financial Support .....	5,164,650	4,663,552
Depreciation .....	9,783,037	11,040,264
Total Operating Expenses .....	\$156,397,815	\$165,366,467
OPERATING LOSS .....	(58,215,416)	(61,106,518)
<b>Nonoperating Revenues (Expenses)</b>		
State Appropriations .....	\$ 49,829,503	\$ 48,403,799
Gifts .....	5,732,807	6,963,708
Investments Income (Net of Investment Expense) ..	650,345	1,454,676
Interest on Capital Asset-Related Debt .....	(847,480)	(1,991,139)
Loss on Disposal of Capital Assets .....	(645,500)	(348,404)
Net Nonoperating Revenues (Expenses) .....	\$ 54,719,675	\$ 54,482,640
(Loss) Income before other revenues .....	(3,495,741)	(6,623,878)
<b>Other Revenues</b>		
Capital Appropriations .....	13,374,007	2,541,284
Capital Grants and Gifts .....	3,405,842	1,144,846
Total Other Revenues .....	\$ 16,779,849	\$ 3,686,130
Net (Decrease) Increase in Net Assets .....	13,284,108	(2,937,748)
<b>Net Assets</b>		
Beginning of Year .....	190,988,957	204,273,065
End of Year .....	\$204,273,065	\$201,335,317