

Stature

The chemical engineering program has a strong industrial component. Industry funds more than 25 percent of the research programs in the department. Sponsoring firms include Dow Chemical, Dow Corning, 3M, Amoco, BASF, Honeywell, Allied/Signal, Kimberly-Clark, Chrysler, Ford, Pharmacia, Shell, UOP, and Conoco. This aspect of the program provides graduate study and research that are relevant to the needs of society and the needs of the chemical and materials processing industries.

The department has 16 faculty, 9 staff, more than 300 undergraduate students, and more than 40 graduate students (half in the Master's program and half in the PhD program).

The department has graduate student cooperative agreements with the chemical engineering program at the Universidad de Sonora, Mexico, and at the University of Lappeenranta, Finland. Michigan Tech's Office of International Programs arranges similar opportunities with other universities around the world.

Our facilities include a full-time computer staff and more than 120 computers with powerful chemical engineering modeling and analysis programs.



Research opportunities are extensive.



Michigan Tech and Houghton overlook Portage Lake.

About Michigan Tech and Houghton

Michigan Tech, founded in 1885, has gained world-wide recognition for innovative education and scholarship.

Our graduate students receive intensive, advanced instruction and the opportunity to pursue wide-ranging research.

Houghton lies in the heart of Upper Michigan's scenic Keweenaw Peninsula. The campus overlooks Portage Lake and is just a few miles from Lake Superior. The area's expansive waters and forests, including the University's 600-acre recreational forest adjoining campus, offer students unparalleled opportunity for outdoor recreation.

Houghton has a population of 7,400 residents. The University's more than 6,600 students from many states and foreign countries make the area a vibrant multicultural community.

Houghton is rated the safest college town in Michigan and the eighth-safest in the nation. It also has been called one of the nation's top-ten summer sports areas, and one of the top-ten best places in the country to live.

For More Information, Contact
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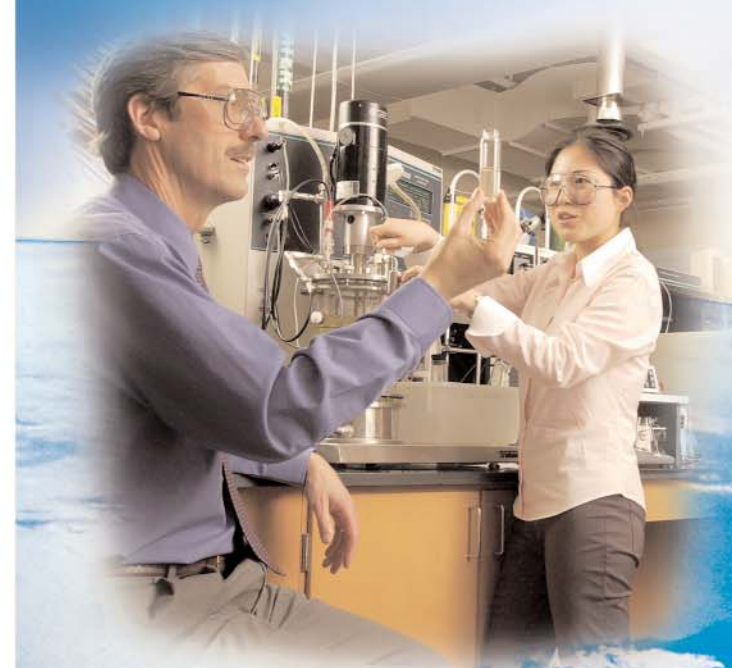
Michigan Technological University is an equal opportunity educational institution/equal opportunity employer.

MichiganTech

Graduate School

REACH

It's Time to Change the World.



Chemical Engineering

*Meeting the needs of students,
society, and industry*

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Chemical Engineering

The Program

The Department of Chemical Engineering offers a friendly, educationally stimulating environment, and it has an outstanding record of educating world-class engineers.

Beyond technical knowledge, the program emphasizes critical thinking, resourcefulness, problem solving, teamwork, and research skills.

Graduate students have the opportunity to identify the course selection and research direction that match their interests.

Degrees

MS in Chemical Engineering

PhD in Chemical Engineering

Research Excellence

External funding from industry and government for chemical engineering research is over \$1 million annually.



You can be a part of the endeavor to find solutions to world problems.

Research

- Biochemistry
- Biomedical engineering
- Ceramics
- Process control
- Process design
- Process safety
- Environmental engineering
- Polymers
- Rheology
- Remediation
- Catalysis
- Thermodynamics
- Physical properties

The program has a vast array of resources to support education and research, including

- Carbon Technology Center
- Hazards Evaluation Lab
- Polymer Lab
- Process Simulation and Control Center
- Process Analytical Chemistry Lab
- BASF High Technology Classroom
- Kimberly-Clark Technical Classroom
- Thermodynamics and Physical Properties Measurement Lab
- Biochemical Engineering Lab
- Unit Operations Lab
- Fundamentals of Chemical Engineering Lab

"The faculty are great. They make you think critically about your own work as well as others'. They take you seriously. When I first encountered that, it awed me. It's a nice feeling. I'm here for another four years."

*—Anna Siemionko
PhD candidate, Chemical Engineering
Walled Lake, Michigan*



Our facilities and equipment are first-rate.

Additional Opportunity

Graduate students can participate in interdisciplinary study and research with other units, such as chemistry, environmental engineering, biological sciences, materials science, and mechanical engineering.

Financial Assistance

Research assistantships, teaching assistantships, and fellowships are available to qualified applicants. All students admitted to the Graduate School are considered for these awards. Some graduate internships and fellowships are supported by Ford, General Motors, DuPont, 3M, Dow Corning, Conoco, Amoco, Chrysler, and Kimberly-Clark.