Department of Biological Sciences

We prepare students to create the future.

www.bio.mtu.edu
The Department of Biological Sciences is located in the Dow Environmental Sciences and Engineering Building. Here, faculty and students search for solutions to biological problems in fields ranging from medicine to freshwater ecosystem health. Our newest facility is the Great Lakes Research Laboratory on the shores of the Keweenaw Waterway, which links directly to Lake Superior.

Our undergraduates can choose from four different bachelor of science degrees:

- Biological sciences
- Clinical laboratory science
- Bioinformatics
- Biochemistry and molecular biology

In addition to our bachelor of science degrees, we offer MS and PhD degrees in Biological Sciences and an MS in Clinical Laboratory Management.
Concentrations in the BS in Biological Sciences

- General biology
- Secondary education
- Pre-Health professions

Concentrations in the BS in Clinical Laboratory Science

- Clinical laboratory science
- Cytotechnology
- Histotechnology
- Secondary education

All of these areas of study are supported by excellent laboratory and computational facilities, as well as a spacious rooftop greenhouse.

Programs and careers in biology
Your future starts here!

- Molecular biology
- Ecology
- Health sciences
- Plant biology
- Microbiology
- Bioinformatics
- Clinical lab science
- Secondary education

Student organizations

- Society of Clinical Laboratory Scientists
- National Biology Honor Society Phi Sigma
- Microbiology Club
- Pre-Health Association

The BS in Bioinformatics focuses on gene biochemistry and computational analysis. The BS in Biochemistry and Molecular Biology is offered collaboratively by the biological sciences and chemistry departments. Students may select a concentration area in biological sciences or chemistry.

Advising and mentoring

Advisors help you to design a course plan to complete your degree and assist you with career planning. Our faculty serve as mentors to our students, providing help with academics and guidance in choosing a career path.

You may attend weekly review sessions, set up individual tutoring, and drop in for help with assignments at the Biological Sciences Learning Center. Center coaches are the department's top students.

Instructors and class size

All of our lecture sections are taught by the faculty. Graduate students, with faculty supervision, teach some introductory laboratories. Our first-year lecture classes typically have 80 to 140 students; upper-division courses have 10 to 40 students. Lab sections have 10 to 24 students.

Undergraduate research

You will have ample opportunities to get involved in research with our faculty, or you may also assist in teaching an undergraduate lab. Academic credit is possible for these experiences.

Health professions experience

Exposure to the health professions is the best way to decide if you are suited to be a physician, dentist, or other health professional. Michigan Tech works with hospitals, veterinary clinics, physical therapy clinics, and other facilities where you may volunteer and decide what career is right for you.

Honors program

The honors program in biological sciences, open to outstanding seniors, allows you to undertake your own research program as an undergraduate.

Honors students work with their faculty advisors to write research proposals, conduct research, write scientific papers, and present their results at department seminars. A number of honors projects have been published in major scientific journals.
About Michigan Tech
With an enrollment of approximately 7,000, Michigan Tech is large enough to offer great academic programs and small enough for you to stand out. The University offers more than 130 undergraduate and graduate degree programs in the life sciences; engineering; forest resources; computing; technology; business; economics; natural, physical, and environmental sciences; arts; humanities; and social sciences. Courses are taught by faculty who are prominent nationwide, care about you, and make time for you. You have the opportunity to study abroad, a key opportunity in today’s global economy.

About Houghton
Reader’s Digest ranks Michigan Tech third in the nation for campus safety. Houghton has been cited as one of the nation’s top-ten summer sports cities, and one of the top-ten best places to live in the country. Students come from more than seventy countries and comprise a rich, multicultural community.

About the area
Michigan Tech is located on the scenic Keweenaw Waterway, a twenty-mile ribbon of water that cuts the Keweenaw Peninsula in half and connects to Lake Superior. The expansive waters and forests offer terrific outdoor recreation. The University owns miles of trails for Nordic skiing, snowshoeing, hiking, and biking, plus a golf course and an Alpine ski area that are close to campus. The Student Development Complex provides ample facilities for indoor recreation and fitness activities. Both the University and the local community offer many opportunities to enjoy theater, music, and other cultural events.

For more information, contact
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