Biochemistry and Molecular Biology—BS

Hands-on Research
Our students start with the fundamentals and then delve into more specialized studies of molecular concepts and biochemical pathways. Our technology and research are cutting edge. The Applied Chemical and Morphological Analysis Lab and the Neuroscience and Proteomics Lab are where undergraduate students gain experience in DNA, RNA, and protein analysis; gene cloning and transformation; chromatography, and more.

Life would not exist without complex chemical pathways and processes. Michigan Tech's Bachelor of Science in Biochemistry and Molecular Biology is an innovative collaboration between two fundamental life sciences: biology and chemistry. Students learn foundational concepts in a unique and integrative way, gaining a deeper understanding of living systems. Whether preparing for a career in health care, pharmaceuticals, product development, or research, this science-focused program prepares students for what comes next.

Collaborative Program
Michigan Tech's biochemistry and molecular biology degree program is offered collaboratively through both the biology and chemistry departments. This means students can specialize their studies to their interests by choosing a concentration in either biological sciences or chemistry. Students benefit from access to both departments—twice the research opportunities, twice the technology, and twice the faculty experts.

Limitless Career Pathways
Biochemistry and molecular biology majors are in demand. Our program provides excellent, rigorous preparation for careers in biotechnology, pharmaceuticals, product development, environmental consulting, research, and academia. Others go on to pursue advanced degrees, medical school, and professional health programs.

Companies that recruit at Michigan Tech include:
- Kimberly Clark
- Smith Kline Beecham
- Stryker
- Eli Lilly and Co.
- Kraft
- Dow
- Abbott Labs
- Merck Pharmaceuticals
- Welch Foods, Inc.
- Medtronic

Minors
The Department of Biological Sciences offers many minors, giving students an opportunity to specialize in a secondary discipline.
- Biological Sciences
- Ecology
- Microbiology
- Plant Biotechnology
- Remote Sensing
- Bioprocess Engineering
- Fish Biology
- Nanoscale Science and Engineering
- Plant Sciences

For more information, visit
www.mtu.edu/biological
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