



## What is medical laboratory science?

Medical Lab Science prepares students to become board certified Medical Laboratory Scientists—health care professionals who detect disease and monitor patients' health through critical chemical, hematological, immunologic, microscopic, and bacteriological analyses on blood, tissues, and bodily fluids. Their work allows physicians to make important decisions in the treatment and diagnosis of disease.

## Study the science behind the medicine.

Gain hands-on experience in hematology, blood banking, immunology, molecular biology, clinical chemistry, medical terminology, microbiology, and anatomy and physiology. Work in the student simulated MLS lab on clinical samples alongside professors who are among the best in the field. Plus, benefit from small class sizes, personal advising, and one-on-one faculty interaction.

As part of your degree, you'll complete a clinical practicum where you'll intern at a nationally accredited hospital laboratory before sitting for a national certification exam. Choose the 4+1 path and spend four years on campus before completing your clinical practicum and sitting for your exam. Or, choose the 3+1 path—the fastest route to your career—and spend three years on campus before your practicum and exam.

Regardless of the path you choose, your clinical practicum will last from six to nine months at a hospital such as:

- Michigan Medicine—University of Michigan
- MidMichigan Health
- Munson Medical Center
- UP Health System—Portage and Marquette
- Aspirus—Keweenaw and Wausau
- Marshfield Labs
- Hennepin County Medical Center
- OSF St. Francis Hospital
- Beaumont Health
- Detroit Medical Center
- Bronson Methodist Hospital
- Dickinson County Healthcare System
- HSHS Sacred Heart
- Oscar G. Johnson VA Medical Center
- And more!

## Get job security with 100 percent job placement.

There is a nationwide critical shortage of medical laboratory science personnel—and demand continues to rise. Our graduates experience a 100 percent placement rate and build careers as medical laboratory scientists in a variety of settings such as hospitals, forensic labs, pharmaceutical labs, veterinary hospitals, and research facilities. Many others go on to health professional programs such as medical school.

Medical laboratory science is an excellent undergraduate degree for those pursuing any pre-health profession, as it gives you a greater understanding of the meaning behind laboratory testing. As a student in our program, you'll enroll in a practicum prep course that will prepare you for interviews, applications, and everything else you need to be successful in the job field.

## Take classes like:

- Basic Medical Lab Techniques
- Phlebotomy
- Hematology
- Clinical Chemistry
- Immunohematology (Blood Banking)
- Medical Bacteriology
- Immunology/Serology
- Mycology and Virology
- Medical Terminology
- Anatomy and Physiology

"I could not have imagined how hands-on the program was going to be. There are so many labs and you definitely see what you'll experience in work. The advisors and faculty in the program have real world experience and definitely bring that experience into the classroom."

— Becca Riffe, medical laboratory science student

For more information, visit [mtu.edu/biological/undergraduate/medical](http://mtu.edu/biological/undergraduate/medical)  
Apply for free online at [mtu.edu/apply](http://mtu.edu/apply)



Michigan  
Technological  
University



## Get involved.

Make a difference at Michigan Tech and meet other students in your major by joining some of the great student organizations on campus—many related to the biological sciences.

Our students are active in a variety of student orgs, including:

- Society of Medical Laboratory Scientists
- Phi Sigma Biological Sciences Honor Society
- Alpha Epsilon Delta Pre-Health Honor Society
- HOSA Future Health Professionals
- MEDLIFE
- Pre-Health Association
- Biochemistry Club

## Medical laboratory science students will:

- Learn about fundamental human biology principles and systems.
- Understand and apply major concepts of human biology to medical laboratory science.
- Learn and perform laboratory skills used by medical scientists working in a diagnostic laboratory.
- Categorize laboratory testing and problem-solving as preanalytical, analytical, and postanalytical.
- Process and communicate pertinent clinical information to other health professionals.
- Comprehend professional issues related to medical laboratory science.
- Apply their knowledge during applied experience in research, industry, or education.

## About Michigan Tech

Michigan Technological University is a public research university founded in 1885 in Houghton, Michigan. The University offers more than 125 undergraduate and graduate degree programs in science and technology, engineering, computing, forestry, business and economics, health professions, humanities, mathematics, social sciences, and the arts. The rural campus is situated just miles from Lake Superior in Michigan's Upper Peninsula and is home to more than 7,000 students.

## About Houghton

The area's waters, forests, and snowfall (200+ inches annually) offer skiing, snowboarding, hiking, biking, and paddling opportunities. Historic downtown Houghton is active with locally owned shops, eateries, high-tech companies, music festivals, and parades. We embrace our size, climate, sense of adventure, and originality. Michigan Tech wouldn't be the same anywhere else on Earth—and we wouldn't have it any other way.

## For more information, contact:



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