Employers of Michigan Tech CLS Graduates

Medical centers, hospitals, and clinic labs
Pharmaceutical companies
University labs
Forensic labs (e.g., FBI, police crime)
Research and reference labs
Veterinary labs
Public/community health departments
Manufacturers of laboratory supplies

My career has taken me in directions I never imagined while pursuing my degree in clinical laboratory science at Tech. The educators in the CLS program stressed the value of good laboratory practice in my very first lab. I continue to use lessons learned at Tech on a daily basis, thirty years after my graduation. My Tech experience laid the foundation upon which my career has been built.

Jeffrey P. Massey, DrPH, MT(ASCP), Class of 1980
Director, Upper Peninsula Regional Laboratory
Quality Manager
Michigan Department of Community Health
Lansing, Michigan

About the Area
Houghton, with a population of about 7,000, is a vibrant, multicultural community. Michigan Tech is ranked third in the nation for campus safety, according to Reader’s Digest. The surrounding Keweenaw Peninsula offers terrific outdoor recreation year-round.

For more information, contact
Department of Biological Sciences
Michigan Technological University
1400 Townsend Drive
Houghton, MI 49931-1295

Telephone 906-487-2025
Fax 906-487-3167
Email biology@mtu.edu
www.bio.mtu.edu

Apply online.
www.mtu.edu/apply

Photos courtesy of Aspirus Keweenaw
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Clinical Laboratory Science at Michigan Tech

A BS in Clinical Laboratory Science (CLS) at Michigan Tech leads to certification as a medical laboratory scientist and provides an excellent foundation for a variety of other healthcare professions. Clinical lab scientists, also known as medical laboratory scientists, are key members of the medical team, detecting disease and other conditions by analyzing blood and other body tissues and fluids.

A degree in clinical laboratory science is also outstanding preparation for . . .

• Professional school for advanced medical degrees (e.g., physician, physician assistant)
• Graduate school
• Secondary school teacher certification in biology

Typical Job Titles

Medical laboratory scientist
Medical technologist
Clinical laboratory scientist
Teaching technologist
Blood donation center technologist
Forensic laboratory scientist
Laboratory information system technologist
Medical laboratory research and development scientist
Research associate
Technical sales, marketing, or service representative
Veterinary medical technologist
Pharmaceutical laboratory technologist
Laboratory manager

The program does more then just prepare you for a job. The faculty and staff provide information about different career paths and building a career. After graduation, I successfully completed a practicum, passed my certification exam, and obtained a medical technologist position. I owe a lot of my success to the program for preparing and providing me with knowledge and skills that I will have forever.

Heather Asiala, MLS(ASCP)CM, Class of 2009
Medical Technologist
William Beaumont Hospital Blood and Tissue Bank
Royal Oak, Michigan

Your Choice: 3+1 or 4+1 Degree Program

Students who successfully complete the 3+1 program, including three years on campus and a one-year clinical practicum, are qualified to take the national exam to be a certified medical laboratory scientist.

Students in the 4+1 program complete the 3+1 program plus an additional year of on-campus education in biochemical research, microbiology, and business/management skills.

Concentrations

You can focus your studies on any of four concentrations:

• Clinical lab science (medical technology)
• Cytotechnology
• Histotechnology
• Secondary education

Examples of Required Courses

Medical Terminology
Anatomy and Physiology
Basic Clinical Laboratory Techniques
Hematology and Hemostasis (Coagulation)
Immunohematology (Blood Banking)
Clinical Immunology and Serology
Molecular Biology
Medical Bacteriology
Medical Mycology and Virology
Parasitology
Clinical Chemistry
Medical Laboratory Instrumentation