

Medical Laboratory Science

UNDERGRADUATE MAJOR

The Medical Laboratory Science (MLSC) major develops highly trained professionals who play a critical role in patient healthcare. These scientists analyze patient specimens, contributing to patient diagnosis and management. In addition to hospital/medical laboratories, graduates can attain employment in forensic, public health, and biotechnology laboratories. Graduates are also prepared for post-graduate education in medicine and pharmacy.

Key features of the major:

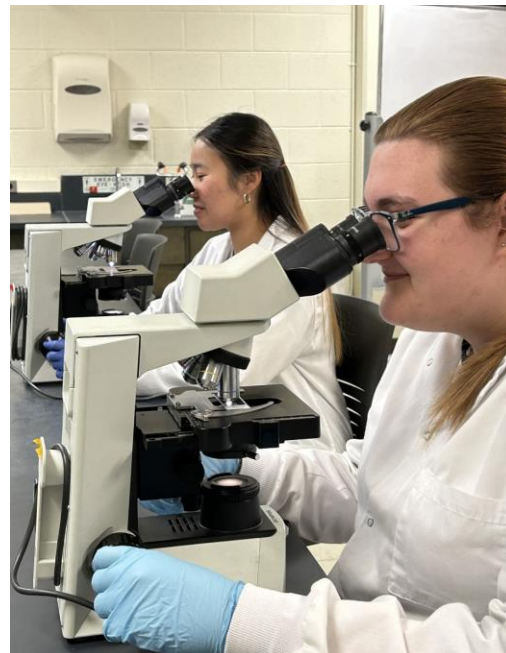
- **Small class sizes** – With a maximum cohort size of 18 students, class sizes are small, giving Board-certified faculty an opportunity to know each student.
- **Dedicated instructors** – All medical laboratory science courses are taught by specialists in the field.
- **Applied learning** – The curriculum includes extensive laboratory courses taught by faculty that provide clinical application. The senior year includes a five-month clinical internship within the metro Milwaukee area.
- **Versatile degree** – Courses discuss topics such as autoimmune, metabolic, inherited, and infectious diseases making the degree versatile for medical or graduate school preparation.
- **Research involvement** – The faculty welcome undergraduate majors interested in research, either through independent study for credit or applying to the Summer Research Program.
- **Job placement and demand are high** – There is a critical national shortage of medical laboratory scientists.

See reverse side for typical 4-year curriculum plan.

MLSC is right for you, if you:

- ✓ Are interested in applying science to human health issues
- ✓ Are detail-oriented
- ✓ Enjoy challenges and responsibility
- ✓ Like to solve problems and puzzles
- ✓ Are willing to persevere to find answers
- ✓ Are motivated by helping others answer questions

For more information, scan the QR code or visit:
Marquette.edu/medical-laboratory-science



Why MLSC at MU?

- **Guaranteed clinical internship.** Direct admission to the major as an incoming freshman guarantees a clinical placement for senior year.
- **Strong job market.** 100% of our graduates are employed in the field, with many accepting job offers prior to graduation.
- **Accredited program.** The multi-faceted curriculum is designed to produce Board-certified Medical Laboratory Scientists.
- **Pass with flying colors.** On average, 100% of our graduates pass the national Board certification examination on the first attempt, surpassing the national average of 80%.



MARQUETTE
UNIVERSITY

College of Health Sciences

Medical Laboratory Science

Typical 4-year Curriculum

Freshman Year	
<i>FALL SEMESTER</i>	<i>SPRING SEMESTER</i>
Professional Issues in MLSC	General Biology 2
General Biology 1	General Chemistry 2
General Chemistry 1	MCC Foundations in Philosophy
MCC Foundations in Rhetoric	MCC Engaging Social Systems and Values 1
MCC Foundations in Theology	Statistics
Sophomore Year	
<i>FALL SEMESTER</i>	<i>SPRING SEMESTER</i>
Concepts in Medical Laboratory Science	Biochemistry for the Health Professions
Organic Chemistry 1	Principles of Human Anatomy and Physiology 2
MCC Foundations Methods of Inquiry	MCC Discovery- Natural Science and Mathematics
MCC Discovery - Humanities	MCC Discovery - Elective
General Elective	General Elective
Junior Year	
<i>FALL SEMESTER</i>	<i>SPRING SEMESTER</i>
Medical Microbiology 1	Medical Microbiology 2
Clinical Chemistry & Concepts 1	Clinical Chemistry & Concepts 2
MCC Discovery – Social Science	Clinical Hematology 1
Medical Ethics	MCC Culminating Course
General Elective	
Senior Year (Year-round courses)	
<i>FALL SEMESTER</i>	<i>SPRING SEMESTER</i>
Clinical Education Methods & Practicum	Clinical Immunohematology & Practicum
Management Concepts for MLSC & Practicum	Clinical Immunology & Practicum
Clinical Chemistry & Practicum	Clinical Microbiology & Practicum
Clinical Hematology 2 & Practicum	Clinical Urinology & Practicum
Clinical Hemostasis & Practicum	
Major requirement courses denoted in blue; MCC = Marquette Core Curriculum (required of all MU students) * Denotes courses typically required as prerequisites to medical/dental/health professional schools	

