

# MEDICAL LABORATORY SCIENCE

Medical Laboratory Science is a challenging and rewarding career recommended to men and women with an interest and ability in sciences. A medical laboratory scientist is an allied health professional skilled in both the theory and practice of clinical laboratory procedures that provide data that physicians use to determine the presence, extent, and cause of disease. The medical laboratory scientist can perform complex laboratory procedures, recognize errors or physiologic conditions that invalidate test results, carry out quality control procedures, and implement new procedures.

## PROGRAMS

### DEGREES AND CERTIFICATES

- Bachelor of Science in Medical Laboratory Science



### ABOUT THE PROGRAM

The four-year medical laboratory science curriculum leads to a Bachelor of Science in medical laboratory science. The first three years are spent at the University. The fourth year is spent at one of the affiliated hospital schools of medical laboratory science. Medical Laboratory Science students are educated to perform, evaluate, and analyze patients.

## REAL-WORLD CONNECTIONS

### SKILLS AND TALENTS

- Patient Care
- Clinical Skills
- Medical Technology
- Laboratory Tests
- Data Analysis
- Microbiology



### CAREERS

- Medical Laboratory Scientist
- Medical Technologist
- Clinical Laboratory Technologist
- Medical Scientist
- Clinical Lab Technologist
- Cytotechnologist

### EMPLOYERS

- Alomere Health
- Children
- Fairview Health Services
- HMC
- Mayo Clinic
- Regions Hospital

## INSPIRED ACTION

### EMPLOYMENT RATE

**97.1%**  
of program graduates  
begin their careers within  
one year of graduation.

Graduates: 41  
Respondents: 34  
[link.mnsu.edu/graduate-follow-up](https://link.mnsu.edu/graduate-follow-up)



### MEDIAN SALARY

**\$99,930**

The median annual wage for Medical Scientists in May 2022.

Bureau of Labor Statistics, U.S. Department of Labor,  
Occupational Outlook Handbook, Medical Scientists,  
at [link.mnsu.edu/medical-laboratory-science-salary](https://link.mnsu.edu/medical-laboratory-science-salary)

### PROGRAM WEBSITE



[cset.mnsu.edu/mls](https://cset.mnsu.edu/mls)

## SAMPLE FOUR-YEAR PLAN - MEDICAL LABORATORY SCIENCE, BA

| First Year (Fall)  | First Year (Spring)   |
|--|---|
| BIOL 105 General Biology I (4)<br>BIOL 220 Human Anatomy (4)<br>MATH 112 College Algebra (4)<br>ENG 101 Foundations of Writing & Rhetoric (4)                                | BIOL 106 General Biology II (4)<br>BIOL 175 Orientation to Clinical Laboratory Science (1)<br>CHEM 201 General Chemistry I (5)<br>General Education Course (3)        |
| Second Year (Fall)   | Second Year (Spring)  |
| BIOL 330 Principles of Human Physiology (4)<br>CHEM 202 General Chemistry II (5)<br>General Education Course, Writing Intensive (4)<br>General Education Course (2)          | BIOL 270 General Microbiology (4)<br>BIOL 211 Genetics (4)<br>General Education Course, Writing Intensive (3)<br>General Education Course (3)                         |
| Third Year (Fall)  | Third Year (Spring)   |
| BIOL 475 Medical Microbiology (5)<br>CHEM 322 Organic Chemistry I (4)<br>HLTH 475 Biostatistics (3) OR<br>STAT 154 Elementary Statistics (4)<br>General Education Course (2) | BIOL 430 Hematology/Immunology (4)<br>CHEM 365 Principles of Biochemistry (4)<br>General Education Course, Purple or Gold (4)<br>General Education Course, Purple (3) |
| Fourth Year (Fall)   | Fourth Year (Spring)  |
| MEDT Internship (16)   | MEDT Internship (16)  |

For more information about program requirements, visit:  
[mnsu.edu/academics/academic-catalog](https://mnsu.edu/academics/academic-catalog)

### LEARN MORE

**Medical Laboratory Science**  
 242 Trafton Science Center S  
 507-389-2417

### NOTES

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