If you have a passion for biology, chemistry, and health, medical lab science is an excellent career choice for you. Medical lab science is the behind-the-scenes work in diagnosing and treating disease. Health professionals collect samples, while lab scientists run tests to understand what might be going on in a patient. They might discover cancer, infection, or genetic diseases. They might help develop a treatment for an illness.

For these important roles, you'll need a solid education in biology and health sciences. Wayne State provides just that. In fact, as our students obtain a degree in medical lab science, they are well-prepared to move on to graduate work at competitive universities such as the University of Nebraska Medical Center (UNMC), and they enjoy successful careers in the medical field.
### FRESHMAN - 1st semester
- CHE 106 General Chemistry I ........................................... 4
- ENG 102 Composition Skills (General Studies CAT 1) ........... 3
- General Studies .................................................................. 6

### FRESHMAN - 2nd semester
- BIO 110 Biology Concepts (General Studies CAT 7) ............. 4
- CHE 107 General Chemistry II .......................................... 4
- General Studies .................................................................. 6

### SOPHOMORE - 1st semester
- BIO 320 Molecular Genetics ............................................. 4
- MAT 180 Statistics (General Studies CAT 3) ....................... 3
- #PHY 201 General Physics I .............................................. 3
- #PHY 321 General Physics I Lab ........................................ 1
- General Studies .................................................................. 6

### SOPHOMORE - 2nd semester
- BIO 220 Human Anatomy .............................................. 4
- CHE 326 Biochemistry I .................................................. 4
- Electives ......................................................................... 8-9

### JUNIOR - 1st semester
- *BIO 220 Human Anatomy .............................................. 4
- CHE 326 Biochemistry I .................................................. 4
- Electives ......................................................................... 8-9

### JUNIOR - 2nd semester
- *BIO 340 Human Physiology ............................................ 4
- BIO 486 Immunology ....................................................... 3
- Electives (to total 90 credits) .......................................... 8-9

### SENIOR
- HSC 498 Clinical Year in Affiliated Hospitals

Highly recommended courses include:
- BIO 330 Histology .......................................................... 4
- BIO 430 Parasitology ....................................................... 3
- CHE 305 Analytical Chemistry (generally available as a summer course) ........................................... 4
- CHE 380 Instrumental Analysis (prerequisite CHE 305 Analytical Chemistry) ........................................... 4

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### Medical Lab Science Faculty

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**Doug Christensen, Ph.D.**  
Glenn Kietzmann, Ph.D.  
Shawn Pearcy, Ph.D.

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**Note:** 90 credits are required for entry into St. Luke's/Methodist while UNMC will allow 77 credits, although no 3+1 is awarded in this case.