

# Bachelor of Science (B.S.) Medical Laboratory Science

Secondary application required

2019 – 2020  
Catalog Year

| 1st Year  |   |   |   |   |
|---|---|---|---|---|
| Fall  |   | Winter  |   | Spring/Summer   |
| CHM 109 Intro to Chemistry <small>Physical Science</small>                | 4 | BIO 120 General Biology I <small>Life Science</small>                   | 4 | As Needed   |
| MTH 110 Algebra (prerequisite for STA 215)                                | 4 | MLS 102 Intro to Med Lab Science  | 1 |   |
| WRT 150 Strategies in Writing <small>Writing</small>                      | 4 | CHM 231 Intro to Organic Chemistry                                      | 4 |   |
| General Education Course <small>GE Art</small>                            | 3 | General Education Course <small>Philosophy &amp; Literature</small>     | 3 |   |
|   |   | General Education Course <small>Social &amp; Behavioral Science</small> | 3 |   |
| Total 15  |   | Total 15  |   |   |
| 2nd Year  |   |   |   |   |
| Fall  |   | Winter <i>Apply to program by Feb. 15<sup>th</sup></i>                  |   | Spring/Summer   |
| BIO 355 Human Genetics  | 3 | BMS 212 & 213 Intro Microbiology w/ lab                                 | 4 | As Needed   |
| BMS 208 Human Anatomy   | 3 | STA 215 Introductory Applied Statistics <small>Math</small>             | 3 |   |
| CHM 232 Biological Chemistry  | 4 | AHS 100 Medical Terminology   | 3 |   |
| General Education Course <small>Historical Perspectives</small>           | 3 | PHY 200 Physics for Life Sciences                                       | 4 |   |
| General Education Course <small>Social &amp; Behavioral Science</small>   | 3 | General Education Course <small>Global Perspectives</small>             | 3 |   |
| Total 16  |   | Total 17  |   |   |
| 3rd Year  |   |   |   |   |
| Fall  |   | Winter <u>Start of the professional program</u>                         |   | Spring/Summer   |
| AHS 301 Introduction to Health Care Research<br>or PSY 300/SWS or BMS 301 | 3 | MLS 320 General Laboratory Practice                                     | 2 | 1 <sup>st</sup> six weeks only<br>MLS 410: Clinical<br>Immunoserology 3 |
|   |   | MLS 350 Management for Lab Science                                      | 2 |   |
| BMS 290 & 291 Human Physiology w/lab                                      | 4 | MLS 370 Parasitology and Mycology                                       | 4 |   |
| BMS 410 Immunology  | 3 | MLS 371 Parasitology & Mycology Lab                                     | 1 |   |
| General Education Course <small>Issues</small>                            | 3 | MLS 400 Molecular Diagnostics / Virology                                | 3 |   |
| General Education Course <small>US Diversity</small>                      | 3 | General Education Course <small>Issues</small>                          | 3 |   |
| Total 16  |   | Total 15  |   | Total 3   |
| 4th Year  |   |   |   |   |
| Fall  |   | Winter  |   | Spring/Summer   |
| MLS 372 Diagnostic Microbiology II  | 3 | MLS 461 MLS Simulation Laboratory                                       | 2 | As Needed   |
| MLS 373 Diagnostic Microbiology II Lab                                    | 1 | MLS 462 Transfusion Medicine  | 3 |   |
| MLS 416 Hematology  | 3 | MLS 463 Hemostasis  | 2 |   |
| MLS 417 Clinical Hematology Laboratory                                    | 1 | MLS 464 Bacteriology and Antibiotics                                    | 1 |   |
| MLS 422 Clinical Chemistry  | 4 | MLS 490 Clinical Practicum II   | 5 |   |
| MLS 423 Clinical Chemistry Lab  | 2 | MLS 495 Issues in MLS <small>Capstone/SWS</small>                       | 3 |   |
| MLS 450 Clinical Practicum I  | 1 |   |   |   |
| Total 15  |   | Total 16  |   |   |

### Special Notes:

- This is a **general** curriculum guide and might not be applicable to all students.
- Two Supplemental Writing Skills (SWS) are required; 1 in the general education program and 1 in your major.
- Student must have a **minimum of 120 credits** to graduate with **58 of the 120 credits** from a senior level institution and the **final 30 of the 120 credits** completed at GVSU.

The Medical Laboratory Science (MLS) undergraduate major resides in the College of Health Professions (CHP)  
**For more information or to meet with a CHP Student Services academic advisor please call (616) 331-5900**  
 Visit our website at [www.gvsu.edu/chpps](http://www.gvsu.edu/chpps) and the MLS website at [www.gvsu.edu/mls](http://www.gvsu.edu/mls)

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## Admission Information

The Medical Laboratory Science (MLS) program at Grand Valley State University is a “secondary admission” program where a person interested in starting the MLS coursework must first be admitted to GVSU. Student may then apply to the program after meeting the PHASE I Admission Criteria below.

## Phase I: Admission Criteria

The following prerequisites must be complete or in progress at the time of application.

- Overall GPA and science GPA of 2.8 or above
- CHM 109
- BIO 120
- BMS 208
- Completion of 45 hours

## Phase II: Application Process (secondary application)

The application process consists of the following components all of which must be complete and submitted as directed below by **March 16<sup>th</sup>**, prior to the intended winter semester of entry. Late applications will be considered for qualified applicants if space is available in the program. To request a late application contact Lilianne Nelson at [scholli@gvsu.edu](mailto:scholli@gvsu.edu).

- [MLS Program Application](#) (*complete & submit online*)
- Resume (*upload through application*)
- **Unofficial transcripts** from all colleges/universities attended (*upload through application*)
- 1-2 page statement of professional philosophy. Why have you chosen MLS as a profession? (*upload through application*)
- **3 completed MLS Recommendation forms** by the respondents as follows: **one** from a chemistry faculty, **one** from any science faculty, and the **third** source is the choice of the applying student. (*recommendation forms are to be submitted via email or delivered to the address below*)

Application review will begin immediately following the application deadline and all qualified applicants will be invited to meet with the MLS faculty.

## Phase III: Applicant Notification

Applicants will be notified of admission status to the program within three weeks of meeting with program faculty. The program coursework begins in the winter semester with a maximum of 24 students.

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