

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

Secondary application required

2023 – 2024  
Catalog Year

1st Year					
<b>Fall</b>		<b>Winter</b>		<b>Spring/Summer</b>	
BIO 120 General Biology I <small>Life Science</small>	4	BMS 250 Anatomy & Physiology I	4	As Needed	
CHM 109 Intro to Chemistry <small>Physical Science</small>	4	CHM 231 Intro to Organic Chemistry	4		
<sup>1</sup> MTH 110 Algebra <small>(prerequisite to STA 215)</small>	4	MLS 102 Intro to Med Lab Science	1		
General Education Course <small>Art</small>	3	<sup>2</sup> WRT 150 Strategies in Writing <small>Writing</small> or WRT 120 and WRT 130	4		
		General Education Course <small>Social &amp; Behavioral Science</small>	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>		
2nd Year					
<b>Fall</b>		<b>Winter</b> <i>Apply to program by March 15<sup>th</sup></i>		<b>Spring/Summer</b>	
BMS 251 Anatomy & Physiology II	4	AHS 100 Medical Terminology	3		
CHM 232 Biological Chemistry	4	BIO 355 Human Genetics	3		
INT 201 Diversity in the United States <small>SBS &amp; US Div.</small>	3	BMS 212 & 213 Intro Microbiology w/ lab	4		
General Education Course <small>Philosophy &amp; Literature</small>	3	STA 215 Introductory Applied Statistics <small>Math</small>	3		
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>13</b>		
3rd Year					
<b>Fall</b>		<b>Winter</b> <u>Start of the professional program</u>		<b>Spring/Summer</b>	
AHS 301 Intro. to Health Care Research or PSY 300/SWS or BMS 301	3	MLS 320 Gen. Lab Pract. & Instrumentation	3	1 <sup>st</sup> six weeks only	
		MLS 340 & 341 Hematology I w/ Lab	3	<sup>4</sup> MLS 350 Mgt. for Lab Science 2	
BMS 310 Pathophysiology	3	MLS 374/375 Clinical Microbiology I w/ Lab	4	MLS 333 Transfusion Medicine I 3	
BMS 410 Immunology	3	MLS 405 Molecular Diag. & Immunology	4		
General Education Course <small>Historical Analysis</small>	3	<sup>3</sup> General Education Course <small>Issues</small>	3		
General Education Course <small>Global Perspectives/Issues</small>	3				
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>17</b>	<b>Total</b>	<b>5</b>
4 <sup>th</sup> Year					
<b>Fall</b>		<b>Winter</b>		<b>Spring/Summer</b>	
MLS 422 & 423 Clinical Chemistry & Lab	6	<sup>5</sup> MLS 492 Clinical Practicum 18 wk clinical: winter start...ends fourth week of spring semester	10	MLS 492 Continued (4 weeks spring semester)	
MLS 440 & 441 Hematology II & Lab	3	MLS 495 Issues in MLS <small>Capstone/SWS (online/Synch)</small>	3		
MLS 444 Transfusion Medicine II	2				
MLS 474 & 475 Clinical Microbiology II & Lab	4				
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>13</b>		

**Special Notes:**

<sup>1</sup> MTH 108 and MTH 109 may be taken in place of MTH 110

<sup>2</sup> Students may choose the writing "Stretch" sequence of WRT 120 (3 credits) and WRT 130 (3 Credits) or WRT 150 (4 credits).

<sup>3</sup> General Education Issues listed in 3<sup>rd</sup> year winter can be taken over spring/summer or in 4<sup>th</sup> year winter as well.

<sup>4</sup> MLS 350 may be offered online, hybrid or in-person depending upon instructor preference

<sup>5</sup> MLS 492 clinical starts final winter semester and runs 18 weeks, concluding midway through the 1<sup>st</sup> spring/summer session. Students apply for spring/summer (June) graduation and will be invited to walk in April commencement.

- 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)

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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 following the 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 250
- 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 15<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)
- **2 completed MLS [Recommendation forms](#)** by the respondents as follows:
  - **1** University faculty member (**preferably a laboratory instructor**)
  - **1** Any university faculty member, health care professional or current/previous employer.
- **Verification of Course Completion** form (upload through application)

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

### 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.

**Student Services Office**  
**Cook-DeVos Center for Health Sciences**  
**301 Michigan St. NE, Room 113**  
**Grand Rapids, MI 49503**  
**(616) 331-5900**  
[chpss@gvsu.edu](mailto:chpss@gvsu.edu)

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/chpss](http://www.gvsu.edu/chpss) and the MLS website at [www.gvsu.edu/mls](http://www.gvsu.edu/mls)