

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

Secondary application required

2025 – 2026
Catalog Year

1st Year					
Fall		Winter		Summer	
¹ BIO 120 General Biology I GE Life Science	4	³ BMS 250 Anatomy & Physiology I	4	As Needed	
CHM 109 Intro to Chemistry GE Physical Science	4	CHM 231 Intro to Organic Chemistry	4		
² MTH 110 Algebra (prerequisite to STA 215)	4	MLS 102 Intro to Med Lab Science (winter only)	1		
General Education Course Art	3	⁴ General Education Course Foundation- Writing	4		
		General Education Course GE Social & Behavior Sci.	3		
Total 15		Total 16			
2nd Year					
Fall <i>(Application opens Oct. 1st)</i>		Winter <i>(Priority App. Due: March 15th)</i>		Summer	
³ BMS 251 Anatomy & Physiology II	4	AHS 100 Medical Terminology	3		
CHM 234 Biological Chemistry (previously CHM 232)	4	BIO 355 Human Genetics	3		
INT 201 Diversity in the U.S. GE SBS & US Div.	3	BMS 212 & 213 Intro Microbiology w/ lab	4		
General Education Course GE Philosophy/Literature	3	STA 215 Intro. Applied Statistics GE Math	3		
Total 14		Total 13			
3rd Year					
Fall		Winter <u>Start of the professional program</u>		Summer	
AHS 301 Intro. to Health Care Research <u>or</u> PSY 300/SWS <u>or</u> BMS 301	3	MLS 320 Gen. Lab Pract. & Instrumentation	3	<i>(1st six weeks only)</i>	
BMS 310 Pathophysiology	3	MLS 340 & 341 Hematology I w/ Lab	3	⁶ MLS 350 Mgt. for Lab Science 2	
BMS 410 Immunology	3	MLS 374/375 Clinical Microbiology I w/ Lab	4	MLS 333 Transfusion Medicine I 3	
General Education Course GE Historical Analysis	3	MLS 405 Molecular Diag. & Immunology	4		
General Education Course GE Global Perspectives & Issues	3	⁵ General Education Course GE Issues	3		
Total 15		Total 17		Total	5
4 th Year					
Fall		Winter		Summer	
MLS 422 & 423 Clinical Chemistry & Lab	6	⁷ MLS 492 Clinical Practicum	10	⁷ MLS 492 Continued	
MLS 440 & 441 Hematology II & Lab	3	18 wk clinical: winter start...ends fourth week of spring semester		(4 weeks spring semester)	
MLS 444 Transfusion Medicine II	2	MLS 495 Issues in MLS Capstone/SWS (online/Synch)	3		
MLS 474 & 475 Clinical Microbiology II & Lab	4				
Total 15		Total 13			

Curriculum Notes:

¹ CMB 155 (lec) & 156 (lab) may be taken in place of BIO 120. Meet with a CHP academic advisor before electing this substitution.

² MTH 108 and MTH 109 or passing [Math 110 Placement test](#) may be taken in place of MTH 110.

³ BMS 208, 290 and BMS 391 may be take in place of BMS 250 & 251. BMS 309 is not required

⁴ Student may take WRT 120 & WRT 130 or WRT 150 to meet their Foundation- Writing requirement. A Grade of "C" or better is required in WRT 130 or WRT 150.

⁵ General Education Issues listed in 3rd year winter may be taken in 3rd year spring/summer or in 4th year winter as well.

⁶ MLS 350 may be offered online, hybrid or in-person depending upon instructor preference.

⁷ MLS 492 clinical starts final winter semester and runs 18 weeks, concluding midway through the 1st spring/summer session. Students apply for spring/summer (June) graduation and will be invited to walk in April commencement.

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. Elective coursework may be necessary to reach these requirements.

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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 credit 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 15th**, 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.

- [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
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Grand Rapids, MI 49503
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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 and the MLS website at www.gvsu.edu/mls