

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

Secondary application required

2022 – 2023
Catalog Year

1st Year				
Fall		Winter		Spring/Summer
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	
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	¹ WRT 150 Strategies in Writing <small>Writing</small> or WRT 120 and WRT 130	4	
		General Education Course <small>Social & Behavioral Science</small>	3	
Total	15	Total	16	
2nd Year				
Fall		Winter <i>Apply to program by March 15th</i>		Spring/Summer
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 & US Div.</small>	3	BMS 212 & 213 Intro Microbiology w/ lab	4	
General Education Course <small>Philosophy & Literature</small>	3	STA 215 Introductory Applied Statistics <small>Math</small>	3	
Total	14	Total	13	
3rd Year				
Fall		Winter <u>Start of the professional program</u>		Spring/Summer
AHS 301 Intro. to Health Care Research or PSY 300/SWS or BMS 301	3	MLS 320 Gen. Lab Pract. & Instrumentation	3	1 st six weeks only
		MLS 340 & 341 Hematology I w/ Lab	3	³ 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	² General Education Course <small>Issues</small>	3	
General Education Course <small>Global Perspectives/Issues</small>	3			
Total	15	Total	17	Total 5
4 th Year				
Fall		Winter		Spring/Summer
MLS 422 & 423 Clinical Chemistry & Lab	6	⁴ 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			
Total	15	Total	13	

Special Notes:

¹ Students may choose the writing "Stretch" sequence of WRT 120 (3 credits) and WRT 130 (3 Credits) or WRT 150 (4 credits).

² General Education Issues listed in 3rd year winter can be taken over spring/summer or in 4th year winter as well.

³ MLS 350 may be offered online, hybrid or in-person depending upon instructor preference

⁴ 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.

- 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

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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 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
Cook-DeVos Center for Health Sciences
301 Michigan St. NE, Room 113
Grand Rapids, MI 49503
(616) 331-5900
chpss@gvsu.edu

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Visit our website at www.gvsu.edu/chpss and the MLS website at www.gvsu.edu/mls