Grand Valley State University
College of Health Professions

Bachelor of Science (B.S.)

Medical Laboratory Science

Secondary application required

2024 – 2025
Catalog Year

1st Year					
Fall		**Winter**		**Spring/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]WRT 150 Strategies in Writing GE Writing	4		
		General Education Course GE Social & Behavior Sci.	3		
Total	**15**	**Total**	**16**		
2nd Year					
Fall *(Application opens Oct. 1st)*		**Winter** *(Priority App. Due: March 15th)*		**Spring/Summer**	
[3]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 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** Start of the professional program		**Spring/Summer**	
AHS 301 Intro. to Health Care Research or PSY 300/SWS or BMS 301	3	MLS 320 Gen. Lab Pract. & Instrumentation	3	*(1st six weeks only)*	
		MLS 340 & 341 Hematology I w/ Lab	3	[6]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 GE Historical Analysis	3	[5]General Education Course GE Issues	3		
General Education Course GE Global Perspectives & Issues	3				
Total	**15**	**Total**	**17**	**Total**	**5**
4th Year					
Fall		**Winter**		**Spring/Summer**	
MLS 422 & 423 Clinical Chemistry & Lab	6	[7]MLS 492 Clinical Practicum 18 wk clinical: winter start…ends fourth week of spring semester	10	[7]MLS 492 Continued (4 weeks spring semester)	
MLS 440 & 441 Hematology II & Lab	3	MLS 495 Issues in MLS Capstone/SWS (online/Synch)	3		
MLS 444 Transfusion Medicine II	2				
MLS 474 & 475 Clinical Microbiology II & Lab	4				
Total	**15**	**Total**	**13**		

Curriculum Notes:

[1] BIO 180 (fall) & BIO 280 (winter) stretch **or** 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 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] WRT 120 (3 credits) and WRT 130 (3 Credits) may be taken in place of WRT 150 (4 credits).

[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 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 schollli@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

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