

MEDICAL LABORATORY SCIENCE

Bachelor of Science (BS)

This is a guide based on the 2025-2026 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

CURRICULUM CHECKLIST

"Critical Courses" are **italicized and bolded**. Data shows that students who have completed this course in the first two years and have earned the noted grade are most likely to complete this program of study.

80 Hour Major – No minor required

Required Courses:

- ___ BI173 Cell & Organismal Biology (4)
- ___ BI283 Genetics (4)
- ___ **BI310 General Microbiology (4)**
- ___ BI442 Immunology (4)
- ___ BI543 Pathogenic Microbiology (4)
- ___ **CH184 General Chemistry I Lab (1)**
- ___ **CH185 General Chemistry I (3)**
- ___ **CH186 General Chemistry II (3)**
- ___ CH187 General Chemistry II Lab (1)
- ___ CH271 Foundations of Analytical Chemistry (5)
- ___ **CH341 Foundations of Organic Chemistry (4)**
- ___ **CH342 Organic Chemistry Lab I (1)**
- ___ CH531 Foundations of Biochemistry (3)
- ___ MA116 Precalculus A (3)
- ___ MA223 Elementary Probability and Statistics (3)

Choose one course:

- ___ BS332 Human Physiology (3)
- ___ ZO331 Animal Physiology (3)

Clinical Year Program – 30 hours required - off campus clinical site

- ___ MT300 Clinical Chemistry (8-10)
- ___ MT301 Clinical Microscopy (1-2)
- ___ MT302 Hematology and Coagulation (6-8)
- ___ MT303 Serology Immunology (2-4)
- ___ MT304 Clinical Microbiology (7-9)
- ___ MT305 Blood Bank Immunohematology (3-4)
- ___ MT306 Special Topics in Medical Technology (1-4)

General Education Requirements – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	1	BI173/073	4
	EN100	3	CH186	3
	CH184/CH185	4	CH187	1
	MA116	3	General Education	3
	General Education	3	General Education	3
	Total	14	Total	14
Milestone: maintain 2.0 cumulative GPA				
SECOND YEAR	BI283	4	BI310	4
	BS332 or ZO331	3	General Education	3
	CH271/071	5	General Education	3
	CH341	4	General Education	3
	CH342	1	General Education	3
	Total	17	Total	16
Milestone: maintain 2.0 cumulative GPA				
THIRD YEAR	BI442/042	4	BI543	4
	CH531	3	General Education	4
	MA223	3	Elective	3
	General Education	3	Elective	2
	General Education	3		
	Total	16	Total	13
Milestone: maintain 2.0 cumulative GPA				
FOURTH YEAR	Clinical Year Program	15	Clinical Year Program	15
	Total	15	Total	15
Milestone: maintain 2.0 cumulative GPA				

A "Milestone" signifies a significant stage for a student in the completion of a degree.

Degree requirements for all students: a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

A minimum 2.0 GPA in the major and overall are required to graduate with a BS degree.



Revised
3/3/2025

2025-2026 degree map

