

MEDICAL LABORATORY SCIENCE – Clinical Lab Concentration | Four – Year Curriculum | 2024-2025

FIRST YEAR

<u>Fall Semester</u>	<u>Credits</u>	<u>Spring Semester</u>	<u>Credits</u>
NH 1500 - Approaches to Health	1	BHSC 1980 – Intro to Scientific Writing (WIL2)	3
HSCI 1100 – Introduction to Public Health (S1)	3	BHSC 1340 – Human Cell Biology (N2)	4
ENGL 1001 – Written Expression (WIL1)	3	CHEM 1450 – General Chemistry II (N2)	4
CHEM 1400 – General Chemistry I (N2)	4	General Education Elective	6
MATH 1212 – Fundamentals of Calc I (MA)	3		
<i>Total Credits:</i>	14	<i>Total Credits:</i>	17

SECOND YEAR

<u>Fall Semester</u>	<u>Credits</u>	<u>Spring Semester</u>	<u>Credits</u>
ANPS 1190 – Ugr Human Anatomy & Phys I	4	ANPS 1200 – Ugr Human Anatomy & Phys II	4
STAT 1110 – Elements of Statistics (QD) or STAT 1410 – Basic Statistical Methods I (QD)	3	CHEM 1580 – Intro to Organic Chemistry	4
MMG 2010 – Microbiology & Infectious Disease	4	General Education Elective	3
NH 2200 – Health Care Ethics	3	Free Elective	3
General Education Elective	3		
<i>Total Credits:</i>	17	<i>Total Credits:</i>	14

THIRD YEAR

<u>Fall Semester</u>	<u>Credits</u>	<u>Spring Semester</u>	<u>Credits</u>
BHSC 2970 – Leadership and Mgmt in Hlth Care ¹	3	MMG 3220 – Adv Medical Microbiology ¹	4
BIOC 3001 – Fundamentals of Biochemistry	3	BHSC 3420 – Immunology or MMG 3230 – Immunology ¹	3
PATH 2010 – Intro to Human Disease	3	BHSC 3440 – Immunology Lab ¹	1
MLS 3100 – Clinical Chemistry I ¹	4	MLS 3110 – Clinical Chemistry II ¹	3
Free Elective	2	Free Elective	3
<i>Total Credits:</i>	15	<i>Total Credits:</i>	14

FOURTH YEAR

<u>Fall Semester</u>	<u>Credits</u>	<u>Spring Semester</u>	<u>Credits</u>
BHSC 3810 – Applied Molecular Bio ¹	3	MLS 3900 – Topics in Med Lab Science ¹	2
BHSC 3820 – Applied Molecular Bio Lab ¹	1	MLS 3192 – Clinical Practi: Chemistry ¹	3
MLS 3200 – Hematology ¹	4	MLS 3292 – Clinical Practicum: Hematology ¹	3
MLS 3300 – Clinical Microbiology II ¹	3	MLS 3392 – Clinical Practicum: Microbiology ¹	3
MLS 3400 – Immunoematology ¹	4	MLS 3492 – Clinical Pract: Immunoematology ¹	3
<i>Total Credits:</i>	15	<i>Total Credits:</i>	14

<u>Winter Session</u>	<u>Credits</u>
MLS 3910 – Fndtn of Interprofessionalism	1

NOTES: ¹Professional Course. This plan of study is designed to meet the requirements for the Medical Laboratory Science major's clinical laboratory science concentration. Changes should be reviewed with a student's academic advisor. A minimum of 121 semester credit hours, minimum GPA of 2.30, and fulfillment of the University Catamount Core are required for graduation.

This is an advising tool to help with schedule planning. Please refer to the [UVM Catalogue](#) for full Catamount Core and program requirements and the [CNHS Undergraduate Handbook](#) for academic policies.