

**UNIVERSITY OF CONNECTICUT: DEPARTMENT OF ALLIED HEALTH SCIENCES**  
**MEDICAL LABORATORY SCIENCES**  
**(Sample Sequence of Courses<sup>§</sup>)**

CATALOG YEAR Beginning 2023-2024

YEAR ONE					
<b>FALL</b>			<b>SPRING</b>		
** CHEM 1124Q or 1127Q	General Chemistry I	4	** CHEM 1125Q or 1128Q	General Chemistry II	3-4
## MATH 1060Q or above	Pre-calculus or above	3-4	BIOL 1107	General Biology I	4
## ENGL 1007, 1010 or 1011	Seminar in Writing	4	## General Education		3
## General Education		3	## General Education		3
INTD 1800	FYE (strongly recommended)	1			
15 – 16 credits			13-14 credits		
YEAR TWO					
<b>FALL</b>			<b>SPRING</b>		
** CHEM 2241	Organic Chemistry	3	MCB 2000	Biochemistry	4
STAT 1000Q or 1100Q	Statistics	4	Elective		3
## General Education	(suggest W course)	3	## General Education		3
# Elective		3	## General Education		3
13 credits			13 credits		
YEAR THREE					
<b>Admission into the junior/senior year requires separate application</b>					
<b>FALL</b>			<b>SPRING</b>		
MCB 2400	Human Genetics	3	MLSC 3301	Fundamentals Med Lab Sci	3
AH 2001	Medical Terminology	2	MLSC 3333	Mycology, Parasitology & Virology	3
AH 3121	Immunology	3	MLSC 4500	Lab Ops & Professional Practice	2
MCB 2610	Microbiology	4	DGS 4234	Diag. Molecular Technologies	3
AH 4241	Research for Hlth Professional	2	DGS 4235	Lab in Molecular Diagnostics	2
			AH 3025	Human Physiology in Health/ Disease	3
14 credits			16 credits		
SUMMER					
	MLSC 4321	Clinical Immunology	2		
	MLSC 4341	Clinical Microbiology	4		
			6 credits		
YEAR FOUR					
<b>FALL</b>			<b>SPRING</b>		
MLSC 3365	Theory of Phlebotomy	1	MLSC 4302	Clinical Chemistry Lab	3
MLSC 4301	Clinical Chemistry & Instrumentation	3	MLSC 4312	Hematology Lab	3
MLSC 4311	Hematology	4	MLSC 4322	Clinical Immunology Lab	1
MLSC 4351	Transfusion Services	3	MLSC 4342	Clinical Microbiology Lab	4
MLSC 4371	Urinalysis & Hemostasis	2	MLSC 4352	Transfusion Services Lab	3
MLSC 4094W	Seminar in Med Lab Sciences	2	MLSC 4372	Urinalysis Lab	1
15 credits			15 credits		

Total credits: **120 – 122 credits (120 credits required for graduation)**

<sup>§</sup> Plan of study is a sample. Actual plan of study subject to change based on advising and student goals.

# **Electives** - The total number of elective courses needed to meet the 120 credits for graduation will vary depending on the number of credits assigned to each course. *Students may need to take additional electives.* Students should track credits for graduation carefully and take elective credits accordingly. This plan of study assumes the **foreign language** is completed prior to admission to the university. If a language is required, students may elect to take these courses as electives.

\*\* Q course placement is based on Math SAT score and Class Rank. Please consult with your academic advisor prior to registering for Q courses.

## These courses need not be taken in the semester indicated; however it is strongly recommended that they be completed prior to the junior year. **W course requirement:** Students are required to take 2 "W" skill coded courses. MLSC 4094W satisfies the "W" in the major. Students **must** take the second "W" as a general education or elective.

**Environmental Literacy:** Students may complete the Environmental Literacy "E" requirement as either a general education requirement, elective or MLS major requirement.