

**Capital Scholars Honors Program
Advising Guide for Medical Laboratory Science
2020-2021 (FOUR YEAR)**

****Applied Microbiology and Anatomy and Physiology option****

Year 1:

Fall Semester	Hours	Spring Semester	Hours
CAP 111: Honors Composition	3 Hrs.	CAP 115: Interdisciplinary Writing	3 Hrs.
CAP 122: Who Am I?	3 Hrs.	CAP 123: How Do You Know?	3 Hrs.
CAP 102: Introduction to Honors	2 Hrs.	MAT 121: Applied Statistics	3 Hrs.
CHE 141: Principles of Chemistry I (* Prerequisites)	4 Hrs.	CHE 142: Principles of Inorganic Chemistry II	4 Hrs.
CHE 143: Recitation for General Chemistry I (must be taken concurrently with CHE 141)	0 Hrs.	CHE 144: Recitation for General Chemistry II (must be taken at the same time as CHE 142)	0 Hrs.
BIO 141: Unity of Living Organisms	4 Hrs.	Honors Global Awareness	3-4 Hrs.
<i>Total</i>	<i>16 Hrs.</i>	<i>Total</i>	<i>16-17 Hrs.</i>

* High school chemistry and placement in MAT 094 or higher.

Summer First Year:

Summer Semester	Hours
MAT 111: Quant Reasoning or MAT 115: Calculus I (Fall or Spring, Year 1)	3- 4Hrs.
COM 112: Oral Communication (Fall or Spring, Year 1)	3 Hrs.
<i>Total</i>	<i>6-7 Hrs.</i>

Year 2:

Fall Semester	Hours	Spring Semester	Hours
CAP 225: What is Good?	3 Hrs.	CAP 226: What is Power?	3 Hrs.
CHE 267: Fundamental Organic Reactions	3 Hrs.	CAP 25x/35x: Global Issues	3-4 Hrs.
CHE 268: Organic Chemistry I lab	1 Hr.	MAT 111: Quant Reasoning or MAT 115: Calculus I	3 Hrs.
BIO 231: Applied Microbiology	3 Hrs.	Honors Global Awareness	3-4 Hrs.
BIO 232: Applied Microbiology Lab	1 Hr.	ECCE: Speaker Series	1 Hr.
BIO 201: Basics of Anatomy and Physiology I	4 Hrs.		
<i>Total</i>	<i>15 Hrs.</i>	<i>Total</i>	<i>14-15 Hrs.</i>

Summer Second Year:

Summer Semester	Hours
Visual/Creative/Performing Arts Requirement	3 Hrs.
Social Behavioral Science	3 Hrs.
<i>Total</i>	<i>6 Hrs.</i>

Year 3:

Fall Semester	Hours	Spring Semester	Hours
MLS 301: Foundations of MLS	1 Hrs.	MLS 383: Medical Microbiology I	4 Hrs.
MLS 311: Laboratory Operations	2 Hrs.	MLS 384: Clinical Chemistry I	4 Hrs.
MLS 382: Hematology I	3 Hrs.	MLS 442: Hematology II	4 Hrs.
MLS 448: Introduction to Immunology	3 Hrs.	MLS 468: Immunohematology	4 Hrs.
MLS 449: Introductory Immunology Lab	1 Hrs.		
Honors Global Awareness	3-4 Hrs.		
		<i>Total</i>	
<i>Total</i>	<i>13- 14 Hrs.</i>		<i>16 Hrs.</i>

Summer Third Year: (Required)

Summer Semester	Hours
MLS 331: Evidence Based Inquiry	2 Hrs.
MLS 443: Medical Microbiology II	3 Hrs.
MLS 444: Clinical Chemistry II	3 Hrs.
<i>Total</i>	<i>8 Hrs.</i>

Year 4:

Fall Semester	Hours	Spring Semester	Hours
MLS 477: Molecular Diagnostics (online)	2 Hrs.	MLS 481: Education & Management	2 Hrs.
MLS 497: Senior Seminar I	2 Hrs.	MLS 488: ECCE: Practicum II (Engagement Experience)	6 Hrs.
MLS 487: ECCE: Practicum I (Engagement Experience)	6 Hrs.	MLS 496: Special Topics Practicum (repeatable if content is sufficiently variable)	2 Hrs.
		MLS 498: Senior Seminar II	2 Hrs.
CAP 402: Senior Seminar	1 Hrs.	[MLS 400: Applied Research] Only if student is seeking Honors in MLS (Department Honors)	[3 Hrs.]
ECCE- U.S. Communities or Global Awareness	3 Hrs.		
<i>Total</i>	<i>14 Hrs.</i>	<i>Total</i>	<i>12-15 Hrs.</i>

The MLS Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). The MLS Program provides students with academic and laboratory experiences both on-campus and in actual clinical settings. The program offers excellent laboratory facilities, a low student/teacher ratio, experienced faculty, and a job placement rate for graduates of 100%. Students complete clinical experiences at two accredited medical laboratories. Applicants need to consider transportation to and housing at clinical sites outside Springfield.

ECCE (Engaged Citizenship Common Experience) 10 Hours	CAP and MLS Courses That Count Towards ECCE
• U.S. Communities (3 hrs)	CAP 25x/35x: Global Issues
• Global Awareness (3 hrs)	MLS 487 Practicum I
• Engagement Experience (3 hrs)	MLS 488 Practicum II
• Speakers Series (1 hr)	

UIS Students complete ECCE requirements in at least 2 of the 3 ECCE categories-U.S. Communities, Global Awareness, Engagement Experience (per CAP and major requirements)-in addition to Speakers Series- 10 Hours.

Medical Laboratory Science Program: Andrea Jensen, Program Director (as of Fall 2020)

Updated 6/3/2020