

**Capital Scholars Honors Program  
Advising Guide for Medical Laboratory Science  
2022-2023 (FOUR YEAR)**

**Recommended Course Schedule**

**Year 1:**

<b>Fall Semester</b>	<b>Hours</b>	<b>Spring Semester</b>	<b>Hours</b>
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.	BIO 201: Anatomy and Physiology I	4 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>18 Hrs.</i>

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

**Summer First Year:**

<b>Summer Semester</b>	<b>Hours</b>
COM 112: Oral Communication (Fall or Spring, Year 1)	3 Hrs.
<i>Total</i>	<i>3 Hrs.</i>

**Year 2:**

<b>Fall Semester</b>	<b>Hours</b>	<b>Spring Semester</b>	<b>Hours</b>
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 Hrs.
CHE 268: Organic Chemistry I lab (needed for minor in CHE)	1 Hr.	MAT 121: Applied Statistics	3 Hrs.
BIO 495: General Microbiology <b>OR</b> BIO 231 and 232: Applied Microbiology and Lab	4 Hrs.	Honors Global Awareness	3-4 Hrs.
Social Behavioral Science	3 Hrs.	ECCE: Speaker Series	1 Hr.
Visual Creative/Performing Arts	3 Hrs.	BIO 202: Anatomy and Physiology II	4 Hr.
<i>Total</i>	<i>17 Hrs.</i>	<i>Total</i>	<i>17- 18 Hrs.</i>

**Year 3:**

<b>Fall Semester</b>	<b>Hours</b>	<b>Spring Semester</b>	<b>Hours</b>
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>

\*\*\*If you also want MLS Department Honors (see the MLS Student Handbook)

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 CLS Courses That Count Towards ECCE
• U.S. Communities (3 hrs)	CLS 411: Health Care Mgmt.
• Global Awareness (3 hrs)	CAP 25x/35x: Global Issues
• Engagement Experience (3 hrs)	CLS Clinical Courses (6 hrs)
• 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)**  
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