



Medical Laboratory Science Degree Plan

This articulation agreement stems from the Transfer Admission Guarantee Agreement between the University of Illinois Springfield (UIS) and Lincoln Land Community College (LLCC), serving as a program-specific pathway for LLCC students intending to complete the Bachelor of Science in Medical Laboratory Science (MLS) degree program at UIS.

The Bachelor of Science in Medical Laboratory Science (MLS) program consists of two distinct academic phases: The Pre-Professional Phase and the Professional Phase. During the Pre-Professional Phase, the first two years of the four-year major, students should follow the Associate in Science and select coursework outlined in this degree plan. During the Professional Phase, the final two years of the four-year major, students complete the MLS core courses and obtain clinical experience during practicum courses. The Professional Phase is the NAACLS-accredited Medical Laboratory Science program. All students must complete a secondary admissions process and be accepted by the MLS Program before they may begin the Professional Phase.

The MLS Program admits students to the Professional Phase in fall semesters only. To be eligible for admission to the MLS Professional Phase, students must:

- Successfully complete all Pre-Professional Phase courses (C- or higher) prior to entering the Professional Phase
- Earn a minimum 2.5 GPA in MLS prerequisite courses

***Transfer Admission Guarantee**

LLCC students will complete a minimum of 24 credit hours of coursework at LLCC before applying to the TAG Agreement with a cumulative GPA of 2.0 out of 4.0 on all transferrable course work taken at LLCC. TAG students are guaranteed admission to UIS as juniors and will have the admission application fee waived.

Lincoln Land Community College
Associate in Science Degree
(Pre-Medical Laboratory Science)

Total Credit Hours: 60

First Semester (Fall)	Course Name	Credit Hours
BIO 111*	Principles of Biology I	4
CHE 101*	General Chemistry I	4
Humanities Selection	HIS 101 (recommended) or any IAI Humanities#	4
EGL 101	Composition I	3
		Semester Credit Hours: 15

* This course may have additional prerequisites; see LLCC catalog or success coach for more information.

If a 3 credit hour Humanities course is selected, an additional course will need to be completed to satisfy the minimum credit hour requirement for the A.S. degree (60 hours)

Second Semester (Spring)	Course Name	Credit Hours
BIO 112	Principles of Biology II	4
CHE 102	General Chemistry II	4
EGL 102	Composition II	3
MAT 141*	Introductory Statistics	4
		Semester Credit Hours: 15

* This course may have additional prerequisites; see LLCC catalog or success coach for more information.

Third Semester (Fall)	Course Name	Credit Hours
CHE 201 (Offered in Fall only)	Organic Chemistry I	5
CMN 101	Public Speaking Fundamentals	3
Social Science Selection**	SOC 101 (Recommended) or any IAI Social Science	3
Fine Arts Selection	Any IAI Fine Arts	3
		Semester Credit Hours: 14

** Social science credits must be earned in at least two areas; see LLCC catalog or success coach for options.

Fourth Semester (Spring)	Course Name	Credit Hours
Mathematics Selection	MAT 104 (Recommended) Any IAI Mathematics	3
BIO 220 (UIS MLS Program Selection)	Microbiology	4
Fine Arts or Humanities Selection (UIS MLS Program Selection)	PHI 205 (Recommended) or any IAI Fine Arts or Humanities	3
Social Science Selection**	PSY 101 (Recommended) or any IAI Social Science	3
Social Science Selection** (UIS MLS Program Selection)	POS 101 (Recommended) or any IAI Social Science	3
		Semester Credit Hours: 16

** Social science credits must be earned in at least two areas; see LLCC catalog or success coach for options.

Illinois Articulation Initiative (IAI) Course Selections:

Social and Behavioral Science

[ANT 101](#) and [ANT 201](#); [HIS 111](#), [HIS 112](#), [HIS 210](#) and [HIS 222](#); [ECO 110](#), [ECO 131](#) and [ECO 132](#); [GEG 102](#) and [GEG 104](#); [POS 101](#), [POS 201](#), [POS 202](#) and [POS 220](#); [PSY 101](#), [PSY 214](#) and [PSY 220](#); [SOC 101](#), [SOC 110](#), [SOC 201](#) and [SOC 211](#); and other courses acceptable as General Education Core Courses by the Illinois Articulation Initiative

Humanities and Fine Arts

Humanities: [EGL 109](#), [EGL 110](#), [EGL 111](#), [EGL 112](#), [EGL 113](#), [EGL 120](#), [EGL 147](#), [EGL 201](#), [EGL 202](#), [EGL 210](#), [EGL 211](#), [EGL 220](#), [EGL 221](#) and [EGL 222](#); [FRE 202](#); [HIS 101](#) and [HIS 102](#); [HUM 112](#), [ITA 202](#); [PHI 201](#), [PHI 204](#), [PHI 205](#), and [PHI 210](#); and [SPA 202](#); and other courses acceptable as General Education Core Courses by the Illinois Articulation Initiative

Fine Arts: [ART 101](#), [ART 204](#), [ART 205](#), and [ART 208](#); [EGL 114](#); [FLM 101](#) and [FLM 201](#); [MUS 104](#) and [MUS 108](#); [THE 101](#); and other courses acceptable as General Education Core Courses by the Illinois Articulation Initiative (*HUM 101, HUM 102, and HUM 201 do not meet the UIS Visual and Performing Arts requirement*)

Mathematics

[MAT 104](#), [MAT 105](#), [MAT 130](#), [MAT 131](#), [MAT 132](#), [MAT 140](#), [MAT 141](#), [MAT 220](#), [MAT 233](#), [MAT 252](#) and other courses acceptable as General Education Core Courses by the Illinois Articulation Initiative

University of Illinois Springfield
Bachelor of Science in Medical Laboratory Science

Total Credit Hours: 63

<u>Fifth Semester (Fall)</u>	<u>Course Name</u>	<u>Credit Hours</u>
MLS 301	Foundations of MLS	1
MLS 311	Laboratory Operations	2
MLS 341	Physiologic Processes	3
MLS 382	Hematology I	3
MLS 448	Introduction to Immunology	3
MLS 449	Introductory Immunology Lab	1
UNI 301	ECCE – Speaker Series	1
		Semester Credit Hours: 14

<u>Sixth Semester (Spring)</u>	<u>Course Name</u>	<u>Credit Hours</u>
MLS 383	Medical Microbiology I	4
MLS 384	Clinical Chemistry I	4
MLS 442	Hematology II	4
MLS 468	Immunoematology	4
		Semester Credit Hours: 16

<u>Seventh Semester (Summer)</u>	<u>Course Name</u>	<u>Credit Hours</u>
MLS 331	Evidence-Based Inquiry	2
MLS 443	Medical Microbiology II	3
MLS 444	Clinical Chemistry II	3
		Semester Credit Hours: 8

<u>Eighth Semester (Fall)</u>	<u>Course Name</u>	<u>Credit Hours</u>
MLS 477	Molecular Diagnostics	2
MLS 487	ECCE – Practicum I	6
MLS 497	Senior Seminar I	2
U.S. Communities or Global Awareness ECCE	Any U.S. Communities or Global Awareness ECCE	3
		Semester Credit Hours: 13

<u>Ninth Semester (Spring)</u>	<u>Course Name</u>	<u>Credit Hours</u>
MLS 481	Education and Management	2
MLS 488	ECCE – Practicum II	6
MLS 496	Special Topics Practicum	2
MLS 498	Senior Seminar II	2
		Semester Credit Hours: 12

UNIVERSITY OF ILLINOIS SPRINGFIELD

LINCOLN LAND COMMUNITY COLLEGE

By: _____
Rhyann Morris, Transfer Coordinator

By: _____
Signed

Vern Lindquist, VP Academic Services
Type or Print Name/Title

Date: 10/25/22

Date: 10/25/2022