

UNIVERSITY OF ILLINOIS  
AT SPRINGFIELD

# Clinical Laboratory Science



*Lincoln Land Community College  
University of Illinois at Springfield*

2+2

# Lincoln Land Community College

## Associate in Science Degree

### (Pre-Clinical Laboratory Science)

#### First Semester

	<u>Course Name</u>	<u>Credit Hours</u>
BIO 111	Principles of Biology I	4
CHE 101	General Chemistry I	4
MAT 104	General Education Math	3
	(IAI) Humanities*	<u>3</u>
		<b>14</b>

#### Second Semester

	<u>Course Name</u>	<u>Credit Hours</u>
	(IAI) Social Science**	3
CHE 102	General Chemistry II	4
	(IAI) Humanities*	3
POS 101	Introduction to American Politics	3
	<b>OR</b>	<b>OR</b>
POS 201	State & Local Government	3
SPE 101	Public Speaking Fundamentals	<u>3</u>
		<b>16</b>

#### Third Semester

	<u>Course Name</u>	<u>Credit Hours</u>
CHE 201	Organic Chemistry I	5
	(IAI) Social Science**	3
	(IAI) Humanities*	3
HLT 205	Human Anatomy and Physiology I	4
COM 111	Composition I	<u>3</u>
		<b>18</b>

#### Fourth Semester

	<u>Course Name</u>	<u>Credit Hours</u>
MAT 141	Introductory Statistics	4
COM 112	Composition II	3
HLT 206	Human Anatomy and Physiology II	4
BIO 220	Microbiology	4
	<b>OR</b>	<b>OR</b>
BIO 225***	Microbiology for Majors	<u>4</u>
		<b>15</b>

**Total: 63 Hours**

\*Humanities Selections – a minimum of three semester hours must be earned in each of the three subgroups – Subgroup A: LIT 110, LIT 111, LIT 112, LIT 113, LIT 147, LIT 201, LIT 202, LIT 210, LIT 211, LIT 220, LIT 221, LIT 222, FRE 202, ITA 202, SPA 202 and any other courses acceptable as General Education Core Courses by the Illinois Articulation Initiative.

Subgroup B: ART 101, 204, 205 and 206; FLM 101; FNA 101; HUM 101, 102 and 201; LIT 114; MUS 104 and 108; THE 101 and any other courses acceptable as General Education Core Courses by the Illinois Articulation Initiative.

Subgroup C: HIS 101 and 102; PHI 201, 204, 205 and 210 and any other courses acceptable as General Education Core Courses by the Illinois Articulation Initiative.

\*\*Science Selections – must include one course from the life sciences and the physical sciences.

Life Science: BIO 101 and 104 and any other courses acceptable as General Education Core Courses by the Illinois Articulation Initiative.

Physical Science: CHE 100 and 101; GEG 103; GEO 101; PHY 101 and 201; PSI 101 and any other courses acceptable as General Education Core Courses by the Illinois Articulation Initiative

\*\*\*Please check the catalog descriptions for prerequisites for BIO 225.

# University of Illinois at Springfield

## (Bachelor of Science Clinical Laboratory Science)

### Fifth Semester

	<u>Course Name</u>	<u>Credit Hours</u>
CLS 448	Introduction to Immunology	4
CHE 322	Laboratory Techniques	1
CLS 321	Seminar in Clinical Laboratory Science	2
CLS 447	Medical Mycology/Parasitology/Virology	4
	U.S. Communities	<u>3</u>
		<b>14</b>

### Sixth Semester

	<u>Course Name</u>	<u>Credit Hours</u>
CHE 418	Biomolecular Laboratory Methods	3
CHE 433	Physiological Chemistry	4
CLS 405	Introduction to Urinalysis	2
BIO 347	Medical Bacteriology	4
	Global Awareness	<u>3</u>
		<b>16</b>

### Summer Term

	<u>Course Name</u>	<u>Credit Hours</u>
CLS 401	Introduction to Clinical Chemistry	2
CLS 402	Introduction to Hematology	2
CLS 403	Introduction to Immunohematology	2
CLS 454	Advanced Concepts in Clinical Chemistry	<u>2</u>
		<b>8</b>

### Seventh Semester

	<u>Course Name</u>	<u>Credit Hours</u>
CLS 404	Introduction to Hemostasis	1
CLS 451	Advanced Concepts in Immunohematology	2
CLS 452	Advanced Concepts in Hematology	2
	Clinical Courses (see CLS website)	7-10
	Speaker Series (ECCE)	<u>1</u>
		<b>13-16</b>

### Eighth Semester

	<u>Course Name</u>	<u>Credit Hours</u>
	Clinical Courses (see CLS website)	7-10
CLS 411	Clinical Education/Management	3
CLS 456	Clinical Correlations	<u>2</u>
		<b>12-15</b>

**Total: 66 Hours**