

## Pathway Chemistry - Biochemistry - Focus in Biology

### Lincoln Land Community College

#### Associate in Science

##### Fall Year 1

LLCC Course		Hours
BIO 111	Principles of Biology I	4
CHE 101	General Chemistry I	4
EGL 101	Composition I	3
Fine Arts	IAI Fine Arts	3
<b>Total</b>		<b>14</b>

##### Spring Year 1

LLCC Course		Hours
BIO 112	Principles of Biology II	4
CHE 102	General Chemistry II	4
EGL 102	Composition II	3
MAT 141	Introductory Statistics	4
<b>Total</b>		<b>15</b>

##### Fall Year 2

LLCC Course		Hours
CHE 201	Organic Chemistry I	5
CMN 101	Public Speaking Fundamentals	3
Social Science	IAI Social Science	3
Program Course	Program Course Selection	4
<b>Total</b>		<b>15</b>

##### Spring Year 2

LLCC Course		Hours
CHE 202	Organic Chemistry II	5
MAT 131	Calculus & Analytic Geometry I	5
Social Science	IAI Social Science	3
Humanities	IAI Humanities	3
<b>Total</b>		<b>16</b>

**Completion of Associate in Science degree** **60**

### Southern Illinois University Edwardsville

#### Bachelor of Science

##### Fall Year 3

SIUE Course		Hours
CHEM 331	Quantitative Analytical Chem	3
CHEM 335	Quant Lab	1
BIOL 220	Genetics	4
CHEM 300	Professionalism in Science	1
CHEM 451a	Biochemistry	3
PHYS 131/131L	College Physics I	5

**Total** **17**

##### Spring Year 3

SIUE Course		Hours
CHEM 451b	Biochemistry	3
CHEM 455	Biochemistry Lab	2
CHEM 410	Bio-Inorganic Chemistry	3
BIOL 319	Cell and Molecular Biology	4
PHYS 132/132L	College Physics II	5

**Total** **17**

##### Fall Year 4

SIUE Course		Hours
CHEM 451c	Biochemistry	3
CHEM 461a	Biophysical Chemistry I	3
CHEM 465	Biophysical Chemistry Lab	2
CHEM XXX	CHEM elective	2
CHEM XXX	CHEM elective	2

**Total** **12**

##### Spring Year 4

SIUE Course		Hours
CHEM 461B	Biophysical Chemistry II	3
CHEM 431	Instrumental Analysis	3
CHEM 435	Instrumental Analysis Lab	1
CHEM 499	Senior Assignment	0
STAT 244	Statistics	4
IS	Interdisciplinary Studies	3

**Total** **14**

**Completion of Bachelor of Science degree** **120**

\*A course that satisfies both the ERGU and EREG requirement will be counted as one not both.

\*Students must complete 50% or more of the degree requirements at SIUE.