

## Pathway Chemistry - Biochemistry (ACS)

### Lincoln Land Community College

#### Associate in Science

##### Fall Year 1

LLCC Course		Hours
CMN 101	Public Speaking Fundamentals	3
CHE 101	General Chemistry I	4
EGL 101	Composition I	3
MAT 131	Calculus & Analytic Geometry I	5
<b>Total</b>		<b>15</b>

##### Spring Year 1

LLCC Course		Hours
CHE 102	General Chemistry II	4
EGL 102	Composition II	3
MAT 132	Calculus & Analytic Geometry II	5
PHY 201	Physics I	4
<b>Total</b>		<b>16</b>

##### Fall Year 2

LLCC Course		Hours
CHE 201	Organic Chemistry I	5
PHY 202	Physics II	4
IAI FA	IAI Fine Arts	3
IAI SS	IAI Social Science	3
<b>Total</b>		<b>15</b>

##### Spring Year 2

LLCC Course		Hours
IAI LS	IAI LS W/WO/Lab	4
CHE 202	Organic Chemistry II	5
IAI SS	IAI Social Science	3
IAI HUMN	IAI Humanities	3
<b>Total</b>		<b>15</b>

**Completion of Associate in Science degree                    61**

\*Students please consult with LLCC success coach/Pathways advisor for courses that can be used for Life Science.

### Southern Illinois University Edwardsville

#### Bachelor of Science

##### Fall Year 3

SIUE Course		Hours
CHEM 331 / 335	Quant Analytical Chem / Lab	4
CHEM 361a/365a	Physical Chemistry / Lab	5
CHEM 300	Professionalism in Science	1
CHEM 451a	Biochemistry	3
BIOL 150	Intro to Biological Sciences I	4
<b>Total</b>		<b>17</b>

##### Spring Year 3

SIUE Course		Hours
CHEM 361b/365b	Physical Chemistry / Lab	4
CHEM 396	Introduction to Research	2
CHEM 451b/455	Biochemistry II/Biochemistry Lab	5
BIOL 151	Intro to Biological Sciences II	4
<b>Total</b>		<b>15</b>

##### Fall Year 4

SIUE Course		Hours
CHEM 411 / 415	Inorganic Chemistry / Lab	5
CHEM 451c	Biochemistry III	3
BIOL 220	Genetics	4
CHEM 496	Chemical Problems	2
<b>Total</b>		<b>14</b>

##### Spring Year 4

SIUE Course		Hours
CHEM 431 / 435	Instrumental Analysis / Lab	4
CHEM 499	Senior Assignment	0
STAT 244/380	Statistics	4
BIOL 319	Cell and Molecular Biology	4
IS	Interdisciplinary Studies	3
<b>Total</b>		<b>15</b>

**Completion of Bachelor of Science degree                    122**

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

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

About the American Chemical Society (ACS): The ACS is a self-governed individual membership organization that consists of members at all degree levels and all fields of chemistry. The organization provides a broad range of opportunities for peer interaction and career development, regardless of professional or scientific interests.