

## Pathway - Chemistry ACS Certified

### Southwestern Illinois College

#### Associate of Science

##### Fall Year 1

SWIC Course		Hours
ENG 101	Rhetoric and Comp I	3
COMM 151	Public Speaking	3
CHEM 105	General Chemistry I	5
MATH 203	Analytic Geometry and Calc I	5
<b>Total</b>		<b>16</b>

##### Spring Year 1

SWIC Course		Hours
ENG 102	Rhetoric and Comp II	3
<sup>1</sup> IAI Humanities	IAI Humanities	3
CHEM 106	General Chemistry II	5
MATH 204	Analytic Geometry and Calc II	5
<b>Total</b>		<b>16</b>

##### Fall Year 2

SWIC Course		Hours
<sup>1</sup> IAI FA	IAI Fine Arts	3
CHEM 201	Organic Chemistry I	5
<sup>2</sup> BIOL 101	Principles of Biology I	4
PHYS 204	Physics- Mechanics	4
<b>Total</b>		<b>16</b>

##### Spring Year 2

SWIC Course		Hours
CHEM 202	Organic Chemistry II	5
PHYS 205	Physics- Heat, Elec & Magnet	4
<sup>1</sup> IAI Social Science	Social Science (ERGU Recomm)	3
<sup>1</sup> IAI Behavioral	Behavioral Science	3
HES XXX	Human Well Being	2
<b>Total</b>		<b>17</b>

**Completion of Associate of Science degree 65**

<sup>1</sup> Students will need to complete one Human Relations course and one Non-Western course for Associate Degree. Please see Partnership advisor for more information.

<sup>2</sup>BIOL 100 can substitute.

### Southern Illinois University Edwardsville

#### Bachelor of Science

##### Fall Year 3

SIUE Course		Hours
CHEM 300	Professionalism in Science	1
CHEM 361a	Quantitative Analytical Chem	3
CHEM 365b	Quantitative Analytical Lab	1
CHEM 361a	Physical Chemistry	3
CHEM 365a	Physical Chemistry Lab	2
Elective	Elective	4
<b>Total</b>		<b>14</b>

##### Spring Year 3

SIUE Course		Hours
CHEM 361b	Physical Chemistry	3
CHEM 365b	Physical Chemistry Lab	1
CHEM XXX	Chemistry Elective	3
STAT 244	Statistics	4
Elective	Elective	6
<b>Total</b>		<b>17</b>

##### Fall Year 4

SIUE Course		Hours
CHEM 411	Inorganic Chemistry	3
CHEM 415	Inorganic Chemistry Lab	2
IS XXX	Interdisciplinary Studies	3
Elective	Electives	6
<b>Total</b>		<b>14</b>

##### Spring Year 4

SIUE Course		Hours
CHEM 431	Instrumental Analysis	3
CHEM 435	Instrumental Analysis Lab	1
CHEM 499	Senior Assignment	0
CHEM XXX	Chemistry Elective	2
Elective	Electives	9
<b>Total</b>		<b>15</b>

**Completion of Bachelor of Science degree 125**

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

\*Although a minor is not required for students who major in Basic Chemistry, it is strongly recommended that students consider one.

\*Transfer students should have a 2.6 GPA in science and mathematics courses, and a 2.5 average in courses taken at other colleges or universities.

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.

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