

## Pathway - Chemistry

### Southwestern Illinois College

#### Associate in 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
IAI Humanities <sup>1</sup>	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
IAI Fine Arts <sup>1</sup>	IAI Fine Arts	3
CHEM 201	Organic Chemistry I	5
BIOL 101 <sup>2</sup>	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
IAI Social Science <sup>1</sup>	IAI Social Science	3
IAI Behavioral <sup>1</sup>	IAI Behavioral Science	3
HES XXX	Human Well Being	2
<b>Total</b>		<b>17</b>

**Completion of Associate in Science degree** **65**

<sup>1</sup>Students will need to complete one Human Relations course and one Non-Western course for AS degree.

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

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

### Southern Illinois University Edwardsville

#### Bachelor of Science

##### Fall Year 3

SIUE Course		Hours
CHEM 331	Quantitative Analytical Chem	3
CHEM 335	Quantitative Analytical Lab	1
CHEM 361A	Physical Chemistry	3
CHEM 365A	Physical Chemistry Lab	2
CHEM 300	Professionalism in Science	1
ELE XXX	Elective	3
ELE XXX	Elective	3
<b>Total</b>		<b>16</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
ELE XXX	Elective	4
<b>Total</b>		<b>15</b>

##### Fall Year 4

SIUE Course		Hours
CHEM 411	Inorganic Chemistry	3
IS XXX	Interdisciplinary Studies	3
Elective	Electives	8
<b>Total</b>		<b>14</b>

##### Spring Year 4

SIUE Course		Hours
CHEM XXX	Chemistry Elective	3
CHEM XXX	Chemistry Elective	3
CHEM 499	Senior Assignment	0
Elective	Electives	9
<b>Total</b>		<b>15</b>

**Completion of Bachelor of Science degree** **125**