

Pathway - Chemistry (ACS)

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
Total		16

Spring Year 1

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

Fall Year 2

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

Spring Year 2

SWIC Course		Hours
CHEM 202	Organic Chemistry II	5
PHYS 205	Physics- Heat, Elec & Magnet	4
IAI Social Science ¹	IAI Social Science	3
IAI Behavioral ¹	IAI Behavioral Science	3
HES XXX	Human Well Being	2
Total		17

Completion of Associate in Science degree 65

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

²BIOL 100 can substitute.

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

*Although a minor is not required, it is strongly recommended students consider one. Students should plan early.

Southern Illinois University Edwardsville

Bachelor of Science

Fall Year 3

SIUE Course		Hours
CHEM 300	Professionalism in Science	1
CHEM 331	Quantitative Analytical Chem	3
CHEM 335	Quant Lab	1
CHEM 361A	Physical Chemistry	3
CHEM 365A	Physical Chemistry Lab	2
Elective	Elective	4
Total		14

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
Total		17

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
Total		14

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
Total		15

Completion of Bachelor of Science degree 125

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.