

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
Total		16

Spring Year 1

SWIC Course		Hours
ENG 102	Rhetoric and Comp II	3
¹ IAI Humanities	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
¹ IAI FA	IAI Fine Arts	3
CHEM 201	Organic Chemistry I	5
² BIOL 101	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&Magne	4
¹ IAI Social Science	Social Science	3
¹ IAI Behavioral	Behavioral Science	3
HES XXX	Human Well Being	2
Total		17

Completion of Associate of Science degree 65

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

²BIOL 100 can substitute.

Although a minor is not required for students who major in Basic Chemistry, it is strongly recommended that students consider one. Courses taken at SWIC to meet SWIC's general education requirements can be used for the minor. Students should begin planning early.

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 c

**Students must complete 50% or more of SIUE degree requirements at SIUE (120 hours required for graduation).

Southern Illinois University Edwardsville

Bachelor of Science

Fall Year 3

SIUE Course		Hours
CHEM 331	Quantitative Analytical Chem	3
CHEM 335	Quant 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
Total		16

Spring Year 3

SIUE Course		Hours
CHEM 361b	Physical Chemistry	3
CHEM 365b	Physical Chemistry Lab	1
CHEM XXX	Chemistry Elective	3
STAT 107/244/380	Statistics	4
BIOL 151	Intro to Biological Sciences II	4
Total		15

Fall Year 4

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

Spring Year 4

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

Completion of Bachelor of Science degree 125