

Southwestern Illinois College
Pathway - Chemistry- Medical Science

Southwestern Illinois College
Associate in Science Degree

Fall Year 1

SWIC Course	Hours
ENG 101 Rhetoric and Comp I	3
BIOL 101 Principles of Biology I	4
CHEM 105 General Chemistry I	5
MATH 203 Analytic Geometry and Calc I	5
Total	17

Spring Year 1

SWIC Course	Hours
ENG 102 Rhetoric and Comp II	3
BIOL 102 Principles of Biology II	4
CHEM 106 General Chemistry II	5
MATH 204 Analytic Geometry and Calc II	5
Total	17

Fall Year 2

SWIC Course	Hours
IAI Fine Arts ¹ IAI Fine Arts	3
CHEM 201 Organic Chemistry I	5
COMM 151 Public Speaking	3
PHYS 204 Physics - Mechanics	4
HES 1XX Human Well Being	2
Total	17

Spring Year 2

SWIC Course	Hours
CHEM 202 Organic Chemistry II	5
IAI Humanities ¹ IAI Humanities	3
IAI Social Science ¹ IAI Social Science	3
IAI Behavioral ¹ IAI Behavioral Science	3
Total	14

Completion of Associate in Science degree 65

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

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

Southern Illinois University Edwardsville
Bachelor of Arts Degree

Summer Year 2

SIUE Course	Hours
PHYS 152/152L University Physics II	5
Total	5

Fall Year 3

SIUE Course	Hours
CHEM 300 Professionalism in Science	1
CHEM 331 Quantitative Analytical Chem	3
CHEM 335 Analysis Chemistry Lab	1
CHEM 361A Physical Chemistry	3
CHEM 365A Physical Chemistry Lab	2
FL 101 Foreign Language	4
Elective Elective	2
Total	16

Spring Year 3

SIUE Course	Hours
CHEM XXX Chemistry Elective	3
FL 102 Foreign Language	4
FPA or HUM Fine Arts/Humanities	3
BIOL 151 or BIOL Ele Intro to Biol 2 or BIOL Elective	4
Total	14

Fall Year 4

SIUE Course	Hours
CHEM 451A Biochemistry I	3
FPA or HUM Fine Arts/Humanities	3
BIOL 220 Genetics	4
IS XXXX Interdisciplinary Studies	3
CHEM XXX	3
Total	13

Spring Year 4

SIUE Course	Hours
CHEM 451B Biochemistry II	3
CHEM 499 Senior Assignment	0
CHEM XXX Chemistry Elective	3
FPA or HUM Fine Arts/Humanities	3
FPA or HUM Fine Arts/Humanities	3
Total	12

Completion of Bachelor of Arts degree 125