

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	Social Science (ERGU Recomm)	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

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

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

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	Chemistry Elective	3
Total		16

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		128