

**SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE**

Pathway - Biochemistry

Southwestern Illinois Community College

Associate of Science

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	Analytical Geometry and Calc	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 107	General Education Statistics	4
Total		16

Fall Year 2

SWIC Course		Hours
¹ IAI FA	IAI Fine Arts	3
CHEM 201	Organic Chemistry I	5
COMM 151	Public Speaking	3
BIOL 270	Genetics	4
HES 1xx	Human Well Being	2
Total		17

Spring Year 2

SWIC Course		Hours
CHEM 202	Organic Chemistry II	5
¹ IAI HUM	Humanities	3
¹ IAI Social Science	Social Science (ERGU Recomm)	3
¹ IAI Behavioral	Behavioral Science	3
Total		14

Completion of Associate of Science degree 64

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

Southern Illinois University Edwardsville

Bachelor of Science

Fall Year 3

SIUE Course		Hours
CHEM 331	Quantitative Analytical Chem	3
CHEM 335	Quant Lab	1
BIOL 319	Cell and Molecular Biology	4
CHEM 300	Professionalism in Science	1
CHEM 451a	Biochemistry	3
PHYS 131/131L	College Physics I	5
Total		17

Spring Year 3

SIUE Course		Hours
CHEM 451b	Biochemistry	3
CHEM 455	Biochemistry Lab	2
CHEM XXX	CHEM elective	2
PHYS 132/132L	College Physics II	5
ELE XXX	Electives	4
Total		16

Fall Year 4

SIUE Course		Hours
CHEM 410	Bio-Inorganic Chemistry	3
CHEM 451c	Biochemistry	3
CHEM 461a	BioPhysical Chemistry II	3
CHEM 465	BioPhysical Chemistry Lab	2
CHEM XXX	CHEM elective	2
Total		13

Spring Year 4

SIUE Course		Hours
CHEM 461B	BioPhysical Chemistry II	3
CHEM 431	Instrumental Analysis	3
CHEM 435	Instrumental Analysis Lab	1
CHEM 499	Senior Assignment	0
STAT 244	Statistics	4
IS	Interdisciplinary Studies	3
Total		14

Completion of Bachelor of Science degree 124

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

*Transfer students should have a 2.6 GPA in science and mathematics courses, and a 2.5 average in courses taken at other colleges or universities. Students who do not meet the GPA requirements may be provisionally accepted and will receive advisement.

*A class that satisfies both the ERGU and EREG requirements can only be counted as one of these requirements and not both.

Partnership Advising Office

SWIC: Belleville, MC 1070

618-222-5335