

Pathway - BIOLOGY
Genetics and Cellular

Southwestern Illinois College
Associate in Science

Fall Year 1

SWIC Course		Hours
ENG 101	Rhetoric and Comp I	3
² BIOL 101	Principles of Biology I	4
² CHEM 105	General Chemistry I	5
¹ IAI Beh Science	Behavioral Science	3
HES XXX	Human Well Being	2
Total		17

Spring Year 1

SWIC Course		Hours
ENG 102	Rhetoric and Comp II	3
² BIOL 102	Principles of Biology II	4
² CHEM 106	General Chemistry II	5
² MATH 203	Analytic Geometry and Calc I	5
Total		17

Fall Year 2

SWIC Course		Hours
COMM 151	Public Speaking	3
² CHEM 201	Organic Chemistry I	5
¹ IAI Humanities	Humanities	3
² MATH 191	Statistics	4
Total		15

Spring Year 2

SWIC Course		Hours
² CHEM 202	Organic Chemistry II	5
¹ IAI Social Science	Social Science (EREG Recomm)	3
² BIOL 270	Genetics	4
¹ IAI Fine Arts	Fine Arts	3
Total		15

Associate in Science Degree Total³ 64

¹Students must complete one Non-Western and one Human Relations course for Associate degree.

²All science and math courses must receive a grade of "C" or higher.

Southern Illinois University Edwardsville
Bachelor of Science

Fall Year 3

SIUE Course		Hours
BIOL 319	Cell and Molecular Biology	4
CHEM 351	Basic Biochemistry I	3
ELE XXX	Elective	3
¹ PHYS 131/131L	College Physics I	5
Total		15

Spring Year 3

SIUE Course		Hours
BIOL 3XX-4XX	Biology GCB Elective	3
BIOL 4XX	Biology GCB Elective	4
¹ PHYS 132/132L	College Physics II	5
CHEM 352	Basic Biochemistry II	3
Total		15

Fall Year 4

SIUE Course		Hours
BIOL 492	Biological Colloquium	1
BIOL 3XX-4XX	Biology Non- GCB Elective	3
Elective	Elective	3
Elective	Elective	3
BIOL 3XX-4XX	Biology GCB Elective	4
Total		14

Spring Year 4

SIUE Course		Hours
BIOL 492m/497	Colloquium II/Sr. Assignment	1
BIOL 3XX-4XX	Biology GCB Elective	3
IS	Interdisciplinary Course	3
BIOL 4XX	Biology GCB Elective	3
BIOL 4XX	Biology GCB Elective	3
Total		13

Completion of Bachelor of Science degree 121

¹PHYS 151/152 can be substituted for PHYS 131/132

Transfer students should have a 2.0 GPA in science and mathematics courses taken at other colleges and universities.

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

The degree requires a minimum of 38 hours of Biology (BIOL) courses, of which at least 26 must be above the introductory level (200 or higher), and at least 18 hours of these must have been taken at SIUE.

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