

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 BIOL 270	Genetics	4
Total		15

Spring Year 2

SWIC Course		Hours
² CHEM 202	Organic Chemistry II	5
¹ IAI Social Science	Social Science	3
² MATH 191	Statistics	4
¹ IAI Fine Arts	Fine Arts	3
Total		15

Associate in Science Degree Total ³ 64

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

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.

³Additional hours required for AS degree. Students must complete 50% or more of SIUE degree requirements at SIUE.

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