SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE

Pathway - Biochemistry (ACS)

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 & 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	Analytical Geometry & Calc II	5
Total		**17**

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	3
[1]IAI Behavioral	Behavioral Science	3
Total		**14**
Completion of Associate of Science degree		***65***

[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
CHEM 361a	Physical Chemistry	3
CHEM 365a	Physical Chemistry Lab	2
CHEM 300	Professionalism in Science	1
CHEM 451a	Biochemistry	3
PHYS 151/151L	University Physics I	5
Total		**18**

Spring Year 3

SIUE Course		Hours
CHEM 361b	Physical Chemistry	3
CHEM 365b	Physical Chemistry Lab	1
CHEM 396	Introduction to Research	2
CHEM 451b	Biochemistry II	3
PHYS 152/152L	University Physics II	5
Total		**17**

Fall Year 4

SIUE Course		Hours
CHEM 411	Inorganic Chemistry	3
CHEM 415	Inorganic Chemistry Lab	2
CHEM 451c	Biochemistry III	3
BIOL 319	Cell and Molecular Biology	4
CHEM 496	Chemical Problems	2
Total		**14**

Spring Year 4

SIUE Course		Hours
CHEM 431	Instrumental Analysis	3
CHEM 435	Instrumental Analysis Lab	1
CHEM 455	Experimental Biochem	2
CHEM 499	Senior Assignment	0
STAT 244/380	Statistics	3
IS	Interdisciplinary Studies	3
Total		**12**
Completion of Bachelor of Science degree		***126***

About the American Chemical Society (ACS): The ACS is a self-governed individual membership organization that consists of members at all degree levels and all fields of chemistry. The organization provides a broad range of opportunities for peer interaction and career development, regardless of professional or scientific interests.

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

Partnership Advising Office
SWIC: Belleville, MC 1070
618-222-5335(SWIC)

07/01/2021