SOUTHERN ILLINOIS UNIVERSITY **EDWARDSVILLE**

Pathway - Mathematics- Applied

Southwestern Illinois College Associate in Science Degree

Fall Year 1

SWIC Course		Hours
ENG 101	Rhetoric and Composition I	3
MATH 203 ²	Analytic Geometry & Calculus I	5
IAI HUM ¹	IAI Humanities	3
IAI SS ¹	IAI Social Science	3
HES XXX	Human Well Being	2
Total		16

Southern Illinois University Edwardsville Bachelor of Science Degree

Fall Year 3

SIUE Course		Hours
MATH 223	Logic and Mathematical Reasoning	4
ELE XXX	Elective	3
MATH 321	Linear Algebra I	3
ELE XXX	Science or Engineering Elective	3
ELE XXX	Elective	3
Total		16

Spring Year 1

SWIC Course		Hours
ENG 102	Rhetoric and Composition II	3
MATH 204 ²	Analytic Geometry & Calculus II	5
IAI Beh ¹	IAI Behavioral Science	3
PHYS 204 ²	Physics- Mechanics	4
Total		15

Fall Year 2

SWIC Course		Hours
COMM 151	Fund. Of Public Speaking	3
MATH 205 ²	Analytic Geometry & Calculus III	4
EILE XXX	Elective	3
ELE XXX	Elective	3
PHYS 205 ²	Physics- Heat, Elec & Magnetism	4
Total		17

Spring Year 2

SWIC Course		Hours
MATH 290 ²	Differential Equations	3
IAI LS ²	IAI Life Science w/Lab	4
ELE XXX ³	Elective(s)	3
IAI FA ¹	IAI Fine Arts	3
Total		13
	Summer Year 2	
SWIC Course		Hours
MATH 210 ^{2,3}	Computer Prog. For Engineers	3

Associate in Science Degree Total

¹Students need to complete one Human Relations and one Non-Western course. Please see advisor.

Spring Year 3

SIUE Course		Hours
MATH 350	Introduction to Analysis	4
MATH 464	Partial Differential Equations	3
ELE XXX	Science Elective	3
MATH XXX	Math, Statistics, or OR Elective	3
IS XXX	Interdisciplinary Course	3
Total		16

Fall Year 4

SIUE Course		Hours
MATH 498	Senior Seminar	2
MATH 465	Numerical Analysis	3
MATH XXX	Math, Statistics, or OR Elective	3
ELE XXX	Electives	6
Total		14

Spring Year 4

SIUE Course		Hours
MATH 499	Senior Project	2
MATH 451	Intro to Complex Analysis	3
MATH 466	Numer Linear w/Applications	3
ELE XXX	Science or Engineering Elective	3
MATH XXX	Math, Statistics, or OR Elective	3
Total		14

Bachelor of Science Degree Total

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

3

64

Total

124

²All Math/Science courses require a grade of "C" or better.

³MATH 210 offered summer term only.

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