

**SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE**

**Southwestern Illinois College
Pathway - Mathematics - Statistics**

**Southwestern Illinois College
Associate in Arts 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

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
IAI LS ²	IAI Life Science w/Lab	4
ELE XXX	Elective	3
IAI SS/BS ¹	IAI Social or Behavioral Science	3

Total 17

Spring Year 2

SWIC Course		Hours
IAI Hum/FA ¹	Humanities or Fine Arts	3
IAI C/H/SS/BS ¹	Commun, Hum, Social or Behavioral	3
ELE XXX	Elective	4
IAI FA ¹	IAI Fine Arts	3

Total 13

Summer Year 2

SWIC Course		Hours
MATH 210 ²	Computer Prog. For Engineers	3

Total 3

Associate in Arts Degree Total 64

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

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

MATH 210 offered summer only.

**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
STAT 480a	Intro to Mathematical Stats	3
MATH 321	Linear Algebra I	3
STAT XXX	Supporting Courses	3

Total 16

Spring Year 3

SIUE Course		Hours
MATH 350	Introduction to Real Analysis	4
STAT 480b	Intro to Mathematical Stats	3
STAT XXX	Math, Statistics, or OR elective	3
STAT XXX	Math, Statistics, or OR elective	3

Total 16

Total 16

Fall Year 4

SIUE Course		Hours
MATH 498	Senior Seminar	2
STAT XXX	Supporting Courses	6
STAT XXX	Math, Statistics, or OR elective	3
IS XXX	Interdisciplinary Course	3

Total 14

Spring Year 4

SIUE Course		Hours
MATH 499	Senior Project	2
STAT 482	Regression Analysis	3
STAT XXX	Math, Statistics, or OR elective	3
STAT XXX	Supporting Courses	6

Total 14

Bachelor of Science Degree Total 124

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

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