

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
MATH203 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
MATH204 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
MATH205 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
MATH210 ²	Computer Prog. For Engineers	3

Total **3**

Associate in Arts Degree Total **64**

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 **13**

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**

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

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.