Southwestern Illinois College
Pathway - Mathematics- Actuarial Science

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
ECON 201	Principles of Macroeconomics	3
COMM 151	Fund. Of Public Speaking	3
Total		**17**

Spring Year 1

SWIC Course		Hours
ENG 102	Rhetoric and Composition II	3
MATH 204[2]	Analytic Geometry & Calculus II	5
ECON 202	Principles of Microeconomics	3
PHYS 204[2]	Physics- Mechanics	4
Total		**15**

Fall Year 2

SWIC Course		Hours
HES XXX	Human Well Being	2
MATH 205[2]	Analytic Geometry & Calculus III	4
IAI LS[2]	IAI Life Science w/Lab	4
ACCT 110	Financial Accounting	4
IAI Hum/FA[1]	Humanities or Fine Arts	3
Total		**17**

Spring Year 2

SWIC Course		Hours
MATH 290[2]	Differential Equations	3
C/H/SS/BS[1]	IAI COM/ HUM/SS/BS	3
IAI BS[1]	IAI Behavioral Science	3
ELE	Elective	3
IAI FA[1]	IAI Fine Arts	3
Total		**15**
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
MATH 340	Theory of Interest	3
STAT 480a	Intro to Mathematical Stats	3
MATH 321	Linear Algebra I	3
ACCT 210	Managerial Accounting	3
Total		**16**

Spring Year 3

SIUE Course		Hours
MATH 350	Introduction to Analysis	4
STAT 480b	Intro to Mathematical Stats	3
STAT 486a	Actuarial Mathematics	3
CS 145	Intro to Computing I	3
FIN 320	Financial Mgmt&Decision Making	3
Total		**16**

Fall Year 4

SIUE Course		Hours
MATH 498	Senior Seminar	2
FIN 420	Problems in Corporate Finance	3
MATH XXX	Math,Statistics, or OR Elective	3
MATH 465	Numerical Analysis	3
IS XXX	Interdisciplinary Course	3
Total		**14**

Spring Year 4

SIUE Course		Hours
MATH 499	Senior Project	2
STAT 482	Regression Analysis	3
MATH XXX	Math, Statistics, or OR Elective	3
OR 441	Operations Research: Stochastic	3
FIN XXX	Finance Elective	3
Total		**14**
Bachelor of Science Degree Total		***124***

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

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

Students who receive an Actuarial Science Degree will automatically be awarded a Business Administration minor.

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

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