SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE

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 203² Analytic Geometry & Calculus I 5 IAI HUM1 IAI Humanities 3 **ECON 201 Principles of Macroeconomics** 3 **COMM 151** Fund. Of Public Speaking 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
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Spring Year 4

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

Western course. Please see advisor.

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

CVAUC C-----

¹Students need to complete one Human Relations and one Non-

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

^{*}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.