

**2+2 Mathematics
Actuarial Sciences**

**St. Louis Community College
Associate in Art Degree**

Fall Year 1

STLCC Course		Hours
ENG 101	College Composition I	3
MTH 210	Analytic Geometry & Calculus I	5
ECO 151	Principles of Macroeconomics	3
HUM/F ¹	Humanities/Fine Arts	3
COM 101/107	Oral Communication/Public Speaking	3
Total		17

Spring Year 1

STLCC Course		Hours
ENG 102	College Composition II	3
MTH 220	Analytic Geometry & Calculus II	5
ECO 152	Principles of Microeconomics	4
PHYS SCI	Approved Physical Science course	3
PE ELE	PE course	1
Total		16

Fall Year 2

STLCC Course		Hours
MTH 220	Analytic Geometry & Calculus III	5
PHY 122	Engineering Physics I	5
PE ELE	PE course	1
HUM/F ¹	Humanities/Fine Arts	3
GEN 200	Capstone Course	1
Total		15

Spring Year 2

STLCC Course		Hours
MTH 240	Differential Equations	3
Life Science	Life Science Course	4
Social Science ²	Social Science (MO Requirement)	3
IDS 1XX	Interdisciplinary Studies	3
HUM/F ²	Humanities/Fine Arts	3
Total		16

Associate in Arts Total³ **64**

Accepted Hours for Bachelor degree **60**

¹Students must choose one course that meets Global/Intercultural Requirement.

²Students must choose course that fulfills MO State Requirement

³Additional hours required for AA degree. Students must complete 50% or more of SIUE degree requirements at SIUE.

**Southern Illinois University Edwardsville
Bachelor 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 200	Financial 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	Programming for Engineers	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
STAT XXX	Statistics Elective	3
ACCT 210	Managerial Accounting	3
MATH 465	Numerical Analysis	3
STAT 482	Regression Analysis	3
Total		17

Spring Year 4

SIUE Course		Hours
MATH 499	Senior Project	2
IS XXX	Interdisciplinary Course	3
STAT XXX	Statistics Elective	3
OR 441	Operations Research: Stochastic	3
FIN XXX	Finance Elective	3
Total		14

Bachelor of Science Total **127**