

**2+2 Mathematics
Applied Mathematics**

**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
Social Science ¹	Social Science Course	3
HUM/F ²	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
PE ELE	PE Elective	1
Social Science ¹	Social Science Course	3
IS 307	Intro to Programming	3
Total		15

Fall Year 2

STLCC Course		Hours
MTH 230	Analytic Geometry & Calculus III	5
PE ELE	PE Elective	1
PHYS SCI ³	Physical Science Course	4
ELE	Elective	2
GEN 200	Capstone Course	1
HUM/F ²	Humanities/Fine Arts	3
Total		16

Spring Year 2

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

Associate in Arts Total⁴ 64

Accepted Hours for Bachelor degree 60

¹Students must choose course that fulfills MO State Requirement

²Students must choose one course that meets Global/Intercultural Requirement.

³Students should consult with advisor to determine which courses are recommended for SIUE coursework.

⁴Additional 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
PHYS 151	University Physics	4
PHYS 151L	University Physics Lab	1
MATH 321	Linear Algebra I	3
ELE XXX	Science Elective	3
Total		15

Spring Year 3

SIUE Course		Hours
MATH 350	Introduction to Analysis	4
MATH 464	Partial Differential Equations	3
MATH XXX	Mathematics Elective	3
PHYS 152	University Physics II	4
PHYS 152L	University Physics II Lab	1
Total		15

Fall Year 4

SIUE Course		Hours
MATH 498	Senior Seminar	2
MATH 465	Numerical Analysis	3
MATH 451 ¹	Intro to Complex Analysis	3
MATH XXX	Mathematics Elective	3
IS XXX	Interdisciplinary Elective	3
Total		14

Spring Year 4

SIUE Course		Hours
MATH 499	Senior Project	2
ELE XXX	Science Elective	3
MATH 466	Numer Linear w/Applications	3
MATH XXX	Mathematics Elective	3
ELE XXX	Elective (s)	5
Total		16

Bachelor Total 124

¹Math 451 only offered during odd numbered fall terms.

Students entering in an even numbered fall will not be able to complete this course during their usual course of study. If a student is on track to graduate in four years and has followed this plan, the Department will replace the Math 451 requirement with another acceptable course or offer an independent study course, at our discretion.