

**2+2 Mathematics**  
**Illinois Licensure grades 9-12**

**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 <sup>1</sup>	Social Science Course	3
HUM/F <sup>2</sup>	Humanities/Fine Arts	3
COM 101/107	Oral Communication/Public Speaking	3
<b>Total</b>		<b>17</b>

**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 <sup>1</sup>	Social Science Course	3
PHYS SCI	Physical Science Course	4
<b>Total</b>		<b>16</b>

**Fall Year 2**

STLCC Course		Hours
MTH 230	Analytic Geometry & Calculus III	5
PE ELE	PE Elective	1
GEN 200	Capstone Course	1
PHY 122	Engineering Physics I	5
HUM/F <sup>2</sup>	Humanities/Fine Arts	3
<b>Total</b>		<b>15</b>

**Spring Year 2**

STLCC Course		Hours
EDU 200	Intro to Classroom Teaching	3
Life Science	Life Science Course	4
Social Science <sup>1</sup>	Social Science Course	3
IDS 1XX	Interdisciplinary Studies	3
HUM/F <sup>2</sup>	Humanities/Fine Arts	3
<b>Total</b>		<b>16</b>

**Associate in Arts Total<sup>3</sup> 64**  
**Accepted Hours for Bachelor degree 60**

<sup>1</sup>Students must choose course that fulfills MO State Requirement

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

<sup>3</sup>Additional 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 321	Linear Algebra I	3
STAT 380	Statistics for Application	3
ELE XXX	Math, OR, STAT ELE	3
CS 145	Programming for Engineers	3
<b>Total</b>		<b>16</b>

**Spring Year 3**

SIUE Course		Hours
MATH 350	Introduction to Analysis	4
MATH 400	Development of Modern Mathematics	3
IS XXX	Interdisciplinary Studies	3
ELE XXX	Math, OR, STAT ELE	3
EPFR 315	Educational Psychology	3
<b>Total</b>		<b>16</b>

**Summer Year 3**

SIUE Course		Hours
EPFR 320	Foundations of Education	3
SPE 400	The Exceptional Child	3
<b>Total</b>		<b>6</b>

**Fall Year 4**

SIUE Course		Hours
MATH 311	Teaching of Secondary Math	3
MATH 320	Introduction to Abstract Algebra	3
MATH 435	Foundations of Geometry	3
MATH 498	Senior Seminar	2
CI 315a	Methods of Teaching in the Secondary	2
CI 440	Teaching of Reading in Secondary	3
<b>Total</b>		<b>16</b>

**Spring Year 4**

SIUE Course		Hours
MATH 499	Senior Project	2
CI 315b	Methods of Teaching in the Secondary	2
CI 352	Student Teaching	10
<b>Total</b>		<b>14</b>

**Bachelor of Science Total 126**