

**SOUTHERN ILLINOIS UNIVERSITY  
EDWARDSVILLE**

**Pathway Mathematical Studies- Pure Math**

**Lewis and Clark Community College  
Associate in Arts/Science Degree**

**Fall Year 1**

LCCC Course	Hours
ENGL 131 First Year English	3
MATH 171 <sup>1</sup> Analytical Geometry & Calculus	5
IAI HUMN IAI Humanities	3
SPCH 131 Public Speaking	3
<b>Total</b>	<b>14</b>

**Spring Year 1**

LCCC Course	Hours
ENGL 132 First Year English II	3
MATH 172 <sup>1</sup> Analytical Geometry & Calculus II	5
IAI SOC BEH IAI Social Behavioral Science	3
PHYS 141 <sup>1</sup> General Physics I	5
<b>Total</b>	<b>16</b>

**Fall Year 2**

LCCC Course	Hours
MATH 271 <sup>1</sup> Analytical Geometry & Calculus III	4
IAI SOC BEH IAI Social Behavioral Science	3
IAI FA IAI Fine Arts	3
PS/LS <sup>1</sup> Additional Life/Physical Science	3
<b>Total</b>	<b>13</b>

**Spring Year 2**

LCCC Course	Hours
MATH 272 <sup>1</sup> Differential Equations	3
IAI HUMN/ FA IAI Humanities/Fine Art	3
BIOL 130 Fundamentals of Biological Science	4
IAI SOC BEH IAI Social Behavioral Science	3
ELEC Electives	4
<b>Total</b>	<b>17</b>

**Associate in Art/Science Degree Total 60**

<sup>1</sup>All Math/Science courses require a grade of "C" or better.

Students will need to complete one Human Relations course for the Associate Degree. Please see Partnership advisor.

Students can take an additional LS/PS course to meet the AS, or an additional SS course for the AA.

**Southern Illinois University Edwardsville  
Bachelor of Science Degree**

**Fall Year 3**

SIUE Course	Hours
MATH 223 Logic and Mathematical Reasoning	4
MATH 321 Linear Algebra I	3
MATH 320 Intro to Algebraic Structures	3
ELEC Math/Stats./Or.or Science or Eng.Elec.	3
ELEC Math/Stats./Or.or Science or Eng.Elec.	3
<b>Total</b>	<b>16</b>

**Spring Year 3**

SIUE Course	Hours
ELEC Electives	3
MATH 350 Introduction to Analysis	3
MATH 420/451 Abst.Algebra/In. to Comp. Ana.	3
ELEC Math/Stats./Or.or Science or Eng.Elec.	3
MATH 421 Linear Algebra II	3
<b>Total</b>	<b>15</b>

**Fall Year 4**

SIUE Course	Hours
MATH 498 Senior Seminar	2
STAT 380 Statistics for Applications	3
MATH 450 Real Analysis I	3
ELEC Math/Stats./Or.or Science or Eng.Elec.	3
IS XXX Interdisciplinary Course	3
MATH 4XX Mathematics Elective 400 level	3
<b>Total</b>	<b>17</b>

**Spring Year 4**

SIUE Course	Hours
MATH 499 Senior Project	2
ELEC Math/Stats./Or.or Science or Eng.Elec.	3
MATH 4XX Mathematics Elective 400 level	3
MATH 435 Foundations of Geometry	3
ELEC Electives	4
<b>Total</b>	<b>15</b>

**Bachelor of Science Degree Total 123**

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

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