

## Pathway Mathematics- Statistics

### Lewis and Clark Community College Associate in 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
ELEC Elective	4
<b>Total</b>	<b>14</b>

#### Spring Year 2

LCCC Course	Hours
MATH 272 <sup>1</sup> Differential Equations	3
LS/PS <sup>1</sup> Additional Life/Physical Science	4
ELEC Elective	3
ELEC Elective	3
IAI LS IAI Life Science	3
<b>Total</b>	<b>16</b>

**Associate in 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 and one Non Western course for the Associates Degree. Please see your LCCC Advisor.

### Southern Illinois University Edwardsville Bachelor Degree

#### Fall Year 3

SIUE Course	Hours
MATH 223 Logic and Mathematical Reasoning	4
SUP/MINOR Supporting or Minor Course	3
STAT 480a Intro to Mathematical Stats	3
MATH 321 Linear Algebra I	3
MATH/STAT/OR Math/Stats./Or. Elective	3
<b>Total</b>	<b>16</b>

#### Spring Year 3

SIUE Course	Hours
MATH 350 Introduction to Analysis	4
STAT 480b Intro to Mathematical Stats	3
MATH/STAT/OR Math/Stats./Or. Elective	3
SUP/MINOR Supporting or Minor Course	3
STAT 380 Statistics for Applications	3
<b>Total</b>	<b>16</b>

#### Fall Year 4

SIUE Course	Hours
MATH 498 Senior Seminar	2
MATH/STAT/OR Math/Stats./Or. Elective	3
SUP/MINOR Supporting or Minor Course	3
STAT 482 Regression Analysis	3
MATH 165 Intro. To Program & Problem Solv.	3
ELEC Elective	3
<b>Total</b>	<b>17</b>

#### Spring Year 4

SIUE Course	Hours
MATH 499 Senior Project	2
IS XXX Interdisciplinary Course	3
MATH/STAT/OR Math/Stats./Or. Elective	3
ELEC Electives	4
SUP/MINOR Supporting or Minor Course	3
<b>Total</b>	<b>15</b>

**Bachelor of Science Degree Total** **124**

Students must complete 50% or more of SIUE degree requirements at SIUE.( 120 +hours required for graduation).