

## Pathway Mathematical Studies- Professional Educator Licensure

### Lewis and Clark Community College

#### Associate in Science Degree

LCCC Course	Fall Year 1	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>

LCCC Course	Spring Year 1	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>

LCCC Course	Fall Year 2	Hours
MATH 271 <sup>1</sup>	Analytical Geometry & Calculus III	4
ELEC	Elective	3
IAI FA	IAI Fine Arts	3
IAI LS <sup>1</sup>	IAI Life Science	3
EDUC 231	American Education	3
<b>Total</b>		<b>16</b>

LCCC Course	Spring Year 2	Hours
ELEC	Elective	3
MATH 272 <sup>1</sup>	Differential Equations	3
PS/LS <sup>1</sup>	Additional Life/Physical Science	3
IAI SOC BEH	IAI Social Behavioral Science	3
ELEC	Elective	2
<b>Total</b>		<b>14</b>

**Associate in Science Degree Total** **60**

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

<sup>2</sup>If course is not offered any elective will do, course can then be completed at SIUE.

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

### Southern Illinois University Edwardsville

#### Bachelor of Science Degree

SIUE Course	Summer Year 3	Hours
SPE 400	The Exceptional Child	3
MATH 321	Elementary Linear Algebra	3
<b>Total</b>		<b>6</b>

SIUE Course	Fall Year 3	Hours
MATH 223	Logic and Mathematical Reasoning	4
MATH 320	Introduction to Abstract Algebra	3
CIED 310	Planning for Diverse Learners	3
CIED 312	Language and Communication	3
IT 300	Digital Learning	3
CIED 302	Field Experience II	1
<b>Total</b>		<b>17</b>

SIUE Course	Spring Year 3	Hours
MATH 435	Foundations of Geometry	3
MATH 311	The Teaching of Secondary Math.	3
MATH 303	Field Experience III	1
MATH 400	Development of Modern Math	3
CIED 323	Adolescent Content Literacy I	3
STAT 380	Statistics for Application	3
<b>Total</b>		<b>16</b>

SIUE Course	Summer Year 4	Hours
MATH 350	Introduction to Analysis	4
IS XXX	Interdisciplinary Course	3
<b>Total</b>		<b>7</b>

SIUE Course	Fall Year 4	Hours
MATH 498	Senior Seminar	2
CIED 304	Field Experience IV	1
CIED 313	Introduction to Assessment	3
CIED 314	Learning Environments	3
CIED 311	Differentiated Instruction	3
MATH 411	The Teaching of Sec. Mathematic 2	3
MATH 165	Intro.to Pregaming & Prob. Solving	3
<b>Total</b>		<b>18</b>

SIUE Course	Spring Year 4	Hours
MATH 499	Senior Project	2
CIED 456	9-12 Senior Seminar	2
CIED 455N	9-12 Student Teaching- Math	10
<b>Total</b>		<b>14</b>

**Bachelor of Science Degree Total** **138**

## Pathway Mathematical Studies- Professional Educator Licensure

### Requirements for Students Seeking Professional Educator Licensure

Admission to a professional education program is a joint decision made by the academic discipline in the College of Arts and Sciences (CAS) and the School of Education, Health and Human Behavior (SEHHB). Therefore, as soon as they know they would like to pursue this option, it is essential that any student desiring teacher licensure meet with an advisor in the [SEHHB student services](#) for information about admission requirements to courses leading to the professional educator licensure. Scheduling these required courses involves early and frequent coordination between the student; CAS advisor; department faculty mentor; and SEHHB advisor. An overall GPA of 2.5 is required for admission to the teacher licensure program. Overall GPAs will be calculated based on all college courses taken at all institutions. All mathematics, statistics and operations research courses must be at a GPA of 2.0 or higher in order to student teach in accordance to the GPA computation for the Department of Mathematics and Statistics. No course with a grade less than a "C" will be applied to meet professional educator licensure requirements.

Students seeking Professional Educator Licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to admission, during their program, and in order to gain the PEL. State requirements change, and the latest details about these requirements can be found in the [SEHHB section](#) of the undergraduate academic catalog or by making an appointment with an SEHHB advisor.