

**Pathway - Civil Engineering**

**Lewis and Clark Community College  
Associate Degree AES**

**Fall Year 1**

LCCC Course		Hours
ENGL 131	First Year English I	3
CHEM 141	General Chemistry I	5
CHEM 121	Recitation	1
SPCH 145	Public & Private Communication	3
MATH 171	Calculus and Analytic Geo	5
<b>Total</b>		<b>17</b>

**Spring Year 1**

LCCC Course		Hours
ENGL 132	First Year English II	3
MATH 172	Calculus and Analytic Geo II	5
DRFT 131/140	Gen. or Computer Drafting	4
PHYS 141	General Physics I	5
<b>Total</b>		<b>17</b>

**Fall Year 2**

LCCC Course		Hours
PHYS 241	Statics	3
<sup>2</sup> IAI Life Science	Life Science	3
MATH 271	Calculus and Analytic Geo III	4
PHYS 142	General Physics II	5
<b>Total</b>		<b>15</b>

**Spring Year 2**

LCCC Course		Hours
MATH 272	Differential Equations	3
PHYS 242	Dynamics	3
IAI Fine Arts	IAI Fine Arts	3
ECON 151	Macroeconomics	3
CIS 210 or CIS 235	Java Programming/C++ Language	3
<b>Total</b>		<b>15</b>

**Associate in Engineering Total 64**

<sup>1</sup>Students may take PHYS 245 at LCCC in the summer if offered.  
If 245 is not offered, students will take CE 242 in the summer at SIUE.

<sup>2</sup>Students please consult with LCCC/Pathways advisor for courses that can be used for Life Science.

<sup>3</sup>Students must complete 50% or more of the degree requirements at SIUE.

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

SIUE Course	Summer Year 3	Hours
<sup>1</sup> CE 242	Mechanics of Solids	3
<b>Total</b>		<b>3</b>

**Fall Year 3**

SIUE Course	Hours	
CE 206	Civil Engineering Surveying	3
CE 315	Fluid Mechanics	3
CE 342	Structural Engineering	3
CE 330	Engineering Materials	2
CE 330L	Engineering Materials Lab	1
CE 354	Geotechnical Engineering	3
CE 354L	Geotechnical Engineering Lab	1
<b>Total</b>		<b>16</b>

**Spring Year 3**

SIUE Course	Hours	
CE 343	Structural Engineering II	3
EH	Experience Health	1
CE 376	Transportation Engineering	3
CE 380	Environmental Engineering	3
STAT 380	Stats for Application	3
<b>Total</b>		<b>13</b>

**Fall Year 4**

SIUE Course	Hours	
<sup>3</sup> CE 416/455/459	Hydrology/Foundations/Soil Imprv	3
CE 460	Municipal Infrastructure Design	3
CE XXX	CE Elective I	3
PHIL 323	Engineering Ethics	3
CE XXX	CE Selective	3
FE Exam Prep	Prep for Fund. of Engr Exam	0
ERGU	EXP- US Race Gender and Equity	3
<b>Total</b>		<b>18</b>

**Spring Year 4**

SIUE Course	Hours	
CE 415L	Applied Fluids Lab	1
CE 493	Engineering Design	3
CE XXX	Elective II	3
CE XXX	Elective III	3
IE 345	Engineering Economics Analysis	3
IS/EREG	IS/EREG	3
<b>Total</b>		<b>16</b>

**Bachelor of Science Total 130**

<sup>3</sup>Students need to select ONE of the three courses.

## Pathway - Civil Engineering

NOTE: Students must apply for admission to upper-division classes before starting the junior year at SIUE. The form for 'APPLICATION FOR ADMISSION TO UPPER-DIVISION' must be submitted by the deadline to the academic advisor in the School of Engineering at SIUE.

Students must earn 60 hours from a senior institution for graduation requirements. If students take all SIUE junior and senior level courses, stated above, at SIUE, they will meet this requirement. Please note: deviating from the planned schedule above may jeopardize this requirement.

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

**School of Engineering Transfer Credit Advisory Note:** *The University may accept transfer "D" grades; however, in the School of Engineering, a grade of C or better is required in all chemistry, computer science, mathematics, physics, and engineering courses applied to major or minor requirements. A course that transfers in as 1xx, 2xx, 3xx or TRF 1xx; TRF 2xx; TRF 3xx may require a course description and/or syllabus for further evaluation.*