

Pathway - Civil Engineering

**Lincoln Land Community College
Associate in Engineering Science Degree
Fall Year 1**

LLCC Course		Hours
EGL 101	Composition I	3
CHE 101	General Chemistry I	4
ECO 132	Principles of Economics II	3
MAT 131	Calculus & Analytic Geometry I	5
Total		15

Spring Year 1

LLCC Course		Hours
EGL 102	Composition II	3
CMN 104	Interpersonal Communication	3
MAT 132	Calculus & Analytic Geometry II	5
PHY 201	Physics I	4
Total		15

Fall Year 2

LLCC Course		Hours
PHY 202	Physics II	4
MAT 233	Calculus & Analytic Geometry III	4
ENG 220	Statics	3
MAT 161	Computer Programming	4
ENG 101	Engineering Graphics	3
Total		18

Spring Year 2

LLCC Course		Hours
ENG 221	Dynamics	3
ENG 240 ¹	Mechanics of Materials	4
MAT 235	Differential Equations	4
BIO 101/111	Gen. Biology/Prin. of Biology	4
ENG Elective	Program/Support Course Selection	3
Total		18

Associate in Engineering Science Total 66
Accepted Hours for Bachelor degree 60

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

¹ENG 240 may be offered in the summer semester.

**Southern Illinois University Edwardsville
Bachelor of Science Degree
Summer Year 3**

SIUE Course		Hours
BFPA	Breadth Fine & Performing Arts	3
Total		3

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
IE 106	Engineering Problem Solving	3
EH	Experiences-Health	1
Total		16

Spring Year 3

SIUE Course		Hours
CE 343	Structural Engineering II	3
CE 354	Geotechnical Engineering	3
CE 354L	Geotechnical Engineering Lab	1
CE 376	Transportation Engineering	3
CE 380	Environmental Engineering	3
STAT 380	Stats for Application	3
Total		16

Fall Year 4

SIUE Course		Hours
CE 416/455/459	Eng. Hydro./Found Design/ Soil Imp.	3
CE 460	Municipal Infrastructure Design	3
CE XXX	CE Elective I	3
CE XXX	CE Selective course	3
PHIL 323	Engineering Ethics	3
FE Exam Prep	Prep for Fund. of Engr Exam	0
Total		15

Spring Year 4

SIUE Course		Hours
CE 415L	Applied Fluids Mechanics Lab	1
CE 493	Engineering Design	3
CE XXX	Elective II	3
CE XXX	Elective III	3
IE 345	Engineering Economic Analysis	3
IS/EGC	Interdisciplinary Studies	3
Total		16

Bachelor of Science Degree Total 132

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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.

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.*