

**SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE**

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
² 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

¹ENG 240 may be offered in the summer semester.

² ENG 220 is the prerequisite course required for ENG 221.

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

SIUE Course		Hours
BFPA	BFPA	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
EH	Experiences-Health	1
Total		13

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/EREG	IS/EREG	3
Total		16
Bachelor of Science Degree Total		129

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

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School of Engineering Transfer Credit Advisory Notes:

NOTE: Student must apply for admission to upper-division classes before starting their 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, as stated above, at SIUE, they will meet this requirement. Please note: deviating from the planned schedule above may jeopardize this requirement

SIUE 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 as

1XX, 2XX, 3XX or TRF 1XX, TRF 2XX, TRF 3XX may require a course description and/or syllabus for further evaluation.

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

Interdisciplinary Studies (IS) Courses must be taken at the junior/senior level class standing. This requirement is not waived with

Completion of transfer associate degree or IAI-GECC. It is recommended that students choose a course to meet this general education

Requirement AND Global Culture Race and Equity Experience (EREG). Please see the SIUE advisor for a current list of course options.

Students must select a life science course other than physics and chemistry. Department approved courses include:

ENSC 340, GEOG 202, BIOL 111, BIOL 140, BIOL 150, BIOL 151, BIOL 203, BIOL 204, BIOL 205, BIOL 220, BIOL 240A, BIOL 240B.