

**SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE**

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
Total		17

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
Total		17

Fall Year 2

LCCC Course		Hours
PHYS 241	Statics	3
² IAI Life Science	Life Science	4
MATH 271	Calculus and Analytic Geo III	4
PHYS 142	General Physics II	5
Total		16

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 Programing/C++ Language	3
Total		15

Associate in Engineering Total 65

¹Students 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.

²Students please consult with LCCC/Pathways advisor for courses that can be used fo Life Science. BIOL 130, 132,141,142, 241.

³Students 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
¹ CE 242	Mechanics of Solids	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
CE 354	Geotechnical Engineering	3
CE 354L	Geotechnical Engineering Lab	1
Total		16

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
Total		13

Fall Year 4

SIUE Course	Hours	
³ 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
Total		18

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
Total		16

Bachelor of Science Total 131

³Students need to select ONE of the three courses.

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EDWARDSVILLE**

Pathway - Civil Engineering

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.