SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE

Pathway - Civil Engineering

College of Lake County
Associate in Engineering Science Degree

Fall Year 1

CLC Course		Hours
CLC 120	College Success Seminar	2
MTH 145	Calculus & Analytic Geometry I	5
EGR 120	Introduction to Engineering	1
CHM 121	General Chemistry I	5
ENG 121	English Composition I	3
Total		**16**

Spring Year 1

CLC Course		Hours
MTH 146	Calculus & Analytic Geometry II	4
EGR 121	Engineering Design Graphics	3
ENG 122	English Composition II	3
PHY 123	Physics for Science & Eng. I	5
CSC 128	Computer Science I	4
Total		**19**

Fall Year 2

CLC Course		Hours
PHY 124	Physics for Science & Eng. II	5
EGR 125	Engineering Statics	3
MTH 246	Calculus & Analytic Geometry III	5
IAI Fine Art[1]	IAI Fine Art	3
Total		**16**

Spring Year 2

CLC Course		Hours
MTH 227	Ordinary Differential Equations	3
EGR 225	Engineering Dynamics	3
EGR 222	Engineering Mechanics of Materials	3
ECO 221	Principles of Macroeconomics	3
PSY 121	Introduction to Psychology	3
Total		**15**

Associate in Engineering Science Degree Total ***66***

[1]Please consult with CLC or SIUE advisor for course options.

Southern Illinois University Edwardsville
Bachelor of Science Degree

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
ACS 103	Interpersonal Communication	3
BLS	Breadth Life Science	3
Total		**18**

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[2]	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 & Professionalism	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	IS (EREG/ERGU - if needed)	3
Total		**16**

Bachelor of Science Degree Total ***131***

[2]Students need to select ONE of the three courses.

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School of Engineering Transfer Credit Advisory Notes:

NOTE: Students 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 Cultures, Race, and Equity Education Experience (EREG) or US Race, Gender, and Equity Experience (ERGU). 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.