

## Pathway - Civil Engineering

### College of DuPage Associate in Engineering Science Fall Year 1

COD Course	Hours
MATH 2231    Calculus & Analytic Geometry I	5
CHEM 1551    Principles of Chemistry	5
ENGL 1101    English Composition I	3
ENGIN 1101    Engineering Graphics & Design	3
<b>Total</b>	<b>16</b>

### Spring Year 1

COD Course	Hours
MATH 2232    Calculus & Analytic Geometry II	5
PHYSI 2111    Physics for Science & Engineer I	5
ENGL 1102    English Composition II	3
ENGIN 2201    Statics	3
<b>Total</b>	<b>16</b>

### Fall Year 2

COD Course	Hours
MATH 2233    Calculus & Analytic Geometry III	4
PHYSI 2112    Physics for Science & Engineer II	5
ENGIN 2202    Dynamics	3
ENGIN 2203    Mechanics of Materials	3
<b>Total</b>	<b>15</b>

### Spring Year 2

COD Course	Hours
MATH 2270    Differential Equations	4
CIS 2485    C++ for Science & Engineer	3
SPEEC 1160    Interpersonal Communication	3
ECONO 2201    Macroeconomics & Global Economy	3
IAI LS    IAI Life Science	3
<b>Total</b>	<b>16</b>

**Associate in Engineering Science Degree Total    63**

### Southern Illinois University Edwardsville Bachelor of Science Degree Fall Year 3

SIUE Course	Hours
BFPA    Breadth Fine & Performing Arts	3
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
<b>Total</b>	<b>15</b>

### 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
<b>Total</b>	<b>16</b>

### 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 & Professionalism	3
FE Exam Prep    Prep for Fund. of Engr Exam	0
<b>Total</b>	<b>15</b>

### 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/ERGU    IS/EREG	3
EH    Health Experience	0-2
<b>Total</b>	<b>16</b>

**Bachelor of Science Degree Total    125**

\*Students must complete 50% or more of SIUE 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.