

**SOUTHERN ILLINOIS UNIVERSITY  
EDWARDSVILLE**

**Degree Plan - Civil Engineering**

**Kaskaskia College  
Associate in Engineering Degree**

**Fall Year 1**

<b>KC Course</b>		<b>Hours</b>
CHEM 111	Chemistry I (Inorganic Chemistry)	5
ENGL 101	Composition I	3
MATH 166	Analytical Geometry & Calculus I	5
ENGR 103	Engineering Graphics & CAD	3
PHLE 110 <sup>1</sup>	Logic	3
<b>Total</b>		<b>19</b>

**Spring Year 1**

<b>KC Course</b>		<b>Hours</b>
MATH 267	Analytical Geometry & Calculus II	4
PHYS 201	University Physics I	5
ENGL 102	Composition II	3
ENGR 203	Statics	3
<b>Total</b>		<b>15</b>

**Fall Year 2**

<b>KC Course</b>		<b>Hours</b>
PHYS 202	University Physics II	5
MATH 268	Analytical Geometry & Calculus III	4
ENGR 201	Computer Programming for Engineers	3
ENGR 204	Dynamics	3
ECON 205	Principles of Macroeconomics	3
<b>Total</b>		<b>18</b>

**Spring Year 2**

<b>KC Course</b>		<b>Hours</b>
MATH 269	Differential Equations	3
ENGR 205	Mechanics of Materials	3
ANTH 101	Cultural Anthropology	3
COMM 204	Interpersonal Communication	3
PHLE 201	Professional Ethics for Engineers	3
<b>Total</b>		<b>15</b>

**Associate in Engineering Degree Total 67**

<sup>1</sup>Required for AES degree but is not needed for Civil Engineering at SIUE.

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

**Southern Illinois University Edwardsville  
Bachelor of Science Degree**

**Fall Year 3**

<b>SIUE Course</b>		<b>Hours</b>
CE 206	Civil Engineering Survey	2
CE 330/330L	Engineering Materials/Lab	3
CE 315	Fluid Mechanics	3
CE 342	Structural Engineering	3
BLS	Breadth Life Science	3
BFPA	Breadth Fine & Performing Arts	3
<b>Total</b>		<b>17</b>

**Spring Year 3**

<b>SIUE Course</b>		<b>Hours</b>
CE 354	Geotechnical Engineering	3
CE 354L	Geotechnical Engineering Lab	1
CE 343	Structural Engineering II	3
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**

<b>SIUE Course</b>		<b>Hours</b>
CE 460	Municipal Infrastructure	3
CE XXX	CE Elective I	3
CE XXX	CE Elective II	3
CE XXX	CE Selective	3
CE 416/455/459 <sup>3</sup>	Hydrology/Foundations/Soil Improvement	3
EH	Health Experience	0-2
<b>Total</b>		<b>15</b>

**Spring Year 4**

<b>SIUE Course</b>		<b>Hours</b>
CE 415L	Applied Fluids Lab	1
CE 493	Engineering Design	3
CE XXX	Elective III	3
IE 345	Engineering Economics	3
IS	Interdisciplinary Studies	3
<b>Total</b>		<b>13</b>

**Bachelor of Science Degree Total 128**

<sup>3</sup>Students need to select ONE of the three courses.

**SOUTHERN ILLINOIS UNIVERSITY  
EDWARDSVILLE**

**Degree Plan - Civil Engineering**

School of Engineering Transfer Credit Advisory Notes:

NOTE: For students majoring in Civil, Industrial, Mechanical or Mechatronics & Robotics Engineering they 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.