

## Pathway Civil Engineering

### Kaskaskia College Associate in Engineering Degree Fall Year 1

KC Course		Hours
ENG 101	Rhetoric and Composition I	3
CHEM 111	Chemistry I	5
GEDR 103	General Eng. Drawing	3
PHLE 110	Logic	3
MATH 166	Analytical Geom & Calc I	5
<b>Total</b>		<b>19</b>

### Spring Year 1

KC Course		Hours
SPCH 103	Fund. Of Speech	3
MATH 267	Analytical Geom & Calc II	4
PHYS 201	University Physics - I	5
ENG 102	Rhetoric and Composition II	3
PSCI 203	Analytical Mech-Statics	3
<b>Total</b>		<b>18</b>

### Fall Year 2

KC Course		Hours
PHYS 202	University Physics	5
MATH 268	Analytical Geom & Calc III	3
ECON 205	Prin. Of Economics	3
MATH 210	Programming for Engineers	3
PSCI 204	Analytical Mech-Dynamics	3
<b>Total</b>		<b>17</b>

### Spring Year 2

KC Course		Hours
MATH 269	Differential Equations	3
BIOL 125	Human Biology	3
ANTH 101	Cultural Anthropology	3
PSCI 205	Mechanics of Materials	3
PHLE 201	Prof. Ethics of Engineers	3
<b>Total</b>		<b>15</b>

**Associate in Engineering Degree Total<sup>1</sup> 69**  
**Accepted Hours for Bachelor degree 60**

<sup>1</sup>Additional hours required for AES degree. Students must complete 50% or more of SIUE degree requirements at SIUE.

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

SIUE Course		Hours
CE 206	Civil Engineering Survey	2
CE 330/330L	Engineering Materials/Lab	3
CE 315	Fluid Mechanics	3
CE 342	Structural Engineering	3
BFPA	Fine Arts Breadth	3
<b>Total</b>		<b>14</b>

### Spring Year 3

SIUE Course		Hours
CE 354	Geotechnical Engineering	3
CE 354L	Geotechnical Eng 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

SIUE Course		Hours
CE 460	Municipal Infrastructure	3
CE XXX	CE Elective I	3
CE XXX	CE Elective II	3
CE 416/455/459 <sup>2</sup>	Hydrology/Foundations/Soil Improvement	3
HLTH XXX	Health Experience	2
<b>Total</b>		<b>14</b>

### Spring Year 4

SIUE Course		Hours
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 126**

<sup>2</sup>Students need to select ONE of the three courses.

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NOTE: Students must apply for admission to upper-division classes before starting the 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, stated above, at SIUE, they will meet this requirement.

Please note: deviating from the planned schedule above may jeopardize this requirement.

**School of Engineering Transfer Credit Advisory Note:** *The University 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 in as 1xx, 2xx, 3xx or TRF 1xx; TRF 2xx; TRF 3xx may require a course description and/or syllabus for further evaluation.*