

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 |
| Total | | 19 |

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 |
| Total | | 18 |

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 |
| Total | | 17 |

Spring Year 2

| KC Course | | Hours |
|--------------|-----------------------------|-----------|
| MATH 269 | Differential Equations | 3 |
| PHYS 210 | Electrical Circuit Analysis | 3 |
| ANTH 101 | Cultural Anthropology | 3 |
| PSCI 205 | Mechanics of Materials | 3 |
| PHLE 201 | Prof. Ethics of Engineers | 3 |
| Total | | 15 |

Associate in Engineering Degree Total 69

Accepted Hours for Bachelor degree 60

¹Additional 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 |
|--------------|---------------------------|-----------|
| ME 310 | Thermodynamics | 3 |
| 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 |
| Total | | 17 |

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 |
| Total | | 16 |

Fall Year 4

| SIUE Course | | Hours |
|--------------|--------------------------|-----------|
| CE 460 | Municipal Infrastructure | 3 |
| CE 416 | Hydrology | 3 |
| CE XXX | CE Elective I | 3 |
| CE XXX | CE Elective II | 3 |
| HLTH XXX | Health Experience | 2 |
| Life Science | Breadth Life Science | 3 |
| Total | | 17 |

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 |
| Total | | 13 |

Bachelor of Science Degree Total 132

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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.*