

Pathway Industrial 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 Total¹ 69
Accepted Hours for Bachelor degree

Southern Illinois University Edwardsville Bachelor Degree

Fall Year 3

SIUE Course		Hours
IE 335	Intro to Infor. Proc. Systems	3
IE 345	Engineering Economic Ana.	3
IE 370	Manufacturing	3
STAT 380	Stats for Application	3
IE 375	3-D Modeling Product Design	3
BFPA	Fine Arts Breadth	3
Total		18

Spring Year 3

SIUE Course		Hours
IE 415	Oper. Research-Det. Models	3
IE 451	Methods Design & Work Areas	3
IE 465	Design & Control of Quality Sys	3
IE 470	Manufacturing Systems	3
Life Science	Breadth Life Science	3
Total		15

Fall Year 4

SIUE Course		Hours
IE 468	Oper. Research-Simulation	3
IE 476	Plant Wide Process Control	3
IE 483	Production Plan & Control	3
IE 484	Facilities Planning	3
IE XXX	Elective I	3
Total		15

Spring Year 4

SIUE Course		Hours
IE 490	Integrated Engineering Des	3
IE XXX	Elective II	3
IE XXX	Elective III	3
HLTH XXX	Health Experience	3
IS	Interdisciplinary Studies	3
Total		15

Bachelor of Science Degree Total 132

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

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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.*