

Pathway Computer 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
CITP 210	Java	4
PSCI 204	Analytical Mech-Dynamics	3
Total		18

Spring Year 2

KC Course		Hours
MATH 269	Differential Equations	3
PHYS 210	Electrical Circuit Analysis	3
ANTH 101	Cultural Anthropology	3
BIOL 125	Human Biology	3
PHLE 201	Prof. Ethics of Engineers	3
Total		15

Associate in Engineering Degree Total¹ **70**

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 Degree

Summer Year 3

SIUE Course		Hours
CS 150	Intro to Computing II	3
ECE 211	Circuit Analysis II	4
Total		7

Fall Year 3

SIUE Course		Hours
ECE 282	Digital System Designs	4
ECE 326	Electronic Circuits I	4
ECE 351	Signals and Systems	3
ECE 352	Stochastic Processes	3
CS 240	Intro to Computing III	3
CS 286	Intro to Comp Org & Architecture	3
Total		20

Spring Year 3

SIUE Course		Hours
HLTH XXX	Health Experience	2
ECE 381	Microcontrollers	3
ECE 483	Advanced Digital System Engineering	3
ECE/CS XXX	Elective I	3
BICS XXX	Breadth Info & Comm Society	3
Total		14

Fall Year 4

SIUE Course		Hours
CS 314	Operating Systems	3
MATH 224	Discrete Mathematics	3
ECE 404	ECE Senior Design I	3
ECE/CS XXX	Elective II	3
ECE/CS XXX	Elective III	3
Total		15

Spring Year 4

SIUE Course		Hours
ECE 405	ECE Senior Design II	3
ECE Elective	ECE Elective IV	3
BFPA	Fine Arts Breadth	3
IE 345	Engineering Economics	3
IS	Interdisciplinary Studies	3
Total		15

Bachelor of Science Degree Total **141**

Pathway Computer Engineering

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.*