SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE

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
ENGR 103	Engineering Graphics & CAD	3
PHLE 110	Logic	3
MATH 166	Analytical Geometry & Calculus I	5
Total		**19**

Spring Year 1

KC Course		Hours
SPCH 204	Interpersonal Communication	3
MATH 267	Analytical Geometry & Calculus II	4
PHYS 201	University Physics I	5
ENG 102	Rhetoric and Composition II	3
ENGR 203	Statics	3
Total		**18**

Fall Year 2

KC Course		Hours
PHYS 202	University Physics II	5
MATH 268	Analytical Geometry & Calculus III	3
ECON 205	Principles of Economics	3
CITP 210	Java	4
ENGR 204	Dynamics	3
Total		**18**

Spring Year 2

KC Course		Hours
MATH 269	Differential Equations	3
ENGR 210	Electrical Circuits	3
ANTH 101	Cultural Anthropology	3
BIOL 125	Human Biology	3
PHLE 201	Professional Ethics for Engineers	3
Total		**15**

Associate in Engineering Degree Total [1] ***70***

Accepted Hours for Bachelor degree ***60***

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

Southern Illinois University Edwardsville
Bachelor of Science 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
EH	Health Experience	2
ECE 381	Microcontrollers	3
ECE 483	Advanced Digital System Engineering	3
MATH 224	Discrete Mathematics	3
ECE/CS XXX	Elective I	3
BICS	Breadth Info & Comm Society	3
Total		**17**

Fall Year 4

SIUE Course		Hours
CS 314	Operating Systems	3
BFPA	Fine Arts Breadth	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
CS 340	Algorithms & Data Structures	3
ECE XXX	ECE Elective IV	3
IE 345	Engineering Economics	3
IS	Interdisciplinary Studies	3
Total		**15**

Bachelor of Science Degree Total ***144***

Transfer Center
618-650-2133
transfercredit@siue.edu

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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.

A course that satisfies both the ERGU and EREG attribute requirement will only be counted as meeting one and not both.

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.*