

Pathway Mechanical Engineering

Kaskaskia College Associate in Engineering Degree

Fall Year 1

KC Course		Hours
ENGL 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
ENGL 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
ENGR 201	Programming for Engineers	3
ENGR 204	Dynamics	3
Total		17

Spring Year 2

KC Course		Hours
MATH 269	Differential Equations	3
ENGR 210	Electrical Circuits	3
ANTH 101	Cultural Anthropology	3
ENGR 205	Mechanics of Materials	3
PHLE 201	Professional Ethics for Engineers	3
Total		15

Associate in Engineering Degree Total ¹ **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 of Science Degree

Fall Year 3

SIUE Course		Hours
ME 310	Thermodynamics	3
ME 350	Mechanisms	3
ME 370	Materials Engineering	3
ME 354	Numerical Simulation	1
STAT 380	Stats for Application	3
BFPA	Fine Arts Breadth	3
Total		16

Spring Year 3

SIUE Course		Hours
ME 312	Thermodynamics II	3
ME 315	Fluid Mechanics	3
ME 356	Dynamics Systems Modeling	3
ME 380	Design of Machine Elements	3
ME 380L	Stress Laboratory	1
ME XXX	Elective I	3
Total		16

Fall Year 4

SIUE Course		Hours
ME 410	Heat Transfer	3
ME 410L	Thermal Science Lab	1
ME 482	Mechanical Engr. Design I	2
ME XXX	Elective II	3
IE 345	Engineering Economics	3
EH	Health Experience	2
BLS	Breadth Life Science	3
Total		17

Spring Year 4

SIUE Course		Hours
ME 356L	Dynamic Systems Lab	1
ME 484	Mechanical Engr. Design II	2
ME XXX	Elective III	3
EGR XXX	Engineering Elective	3
IS	Interdisciplinary Studies	3
Total		12

Bachelor of Science Degree Total **130**

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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.

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.*