

Pathway - Mechanical Engineering

Lincoln Land Community College Associate in Engineering Science Degree

Fall Year 1

LLCC Course	Hours
EGL 101 Composition I	3
CHE 101 General Chemistry I	4
ECO 132 Principles of Economics II (Macro)	3
MAT 131 Calculus & Analytic Geometry I	5
Total	15

Spring Year 1

LLCC Course	Hours
EGL 102 Composition II	3
CMN 104 Interpersonal Communication	3
MAT 132 Calculus & Analytic Geometry II	5
PHY 201 Physics I	4
Total	15

Fall Year 2

LLCC Course	Hours
PHY 202 Physics II	4
MAT 233 Calculus & Analytic Geometry III	4
ENG 220 Statics	3
MAT 161 Computer Programming	4
ENG 101 Engineering Graphics	3
Total	18

Spring Year 2

LLCC Course	Hours
ENG 221 Dynamics	3
ENG 240 ¹ Mechanics of Materials	4
MAT 235 Differential Equations	4
BIO 101/111 Gen. Biology/Prin. of Biology	4
ENG 270 Circuit Analysis	3
Total	18

Associate in Engineering Science Total 66
Accepted Hours for Bachelor degree 60

Students must complete 50% or more of SIUE degree requirements at SIUE.

¹ENG 240 may be offered in the summer semester.

Southern Illinois University Edwardsville Bachelor of Science Degree

Fall Year 3

SIUE Course	Hours
ME 310 Thermodynamics I	3
ME 350 Dynamics of Mechanisms	3
ME 354 Numerical Simulations	1
ME 370 Materials Engineering	3
STAT 380 Statistics for Applications	3
IE 106 Engineering Problem Solving	3
Total	16

Spring Year 3

SIUE Course	Hours
ME 312 Thermodynamics II	3
ME 315 Fluid Mechanics	3
ME 356 Dynamic Systems Modeling	3
ME 380 Design of Machine Elements	3
ME 380L Stress Laboratory	1
PHIL 323 Engineering Ethics	3
Total	16

Fall Year 4

SIUE Course	Hours
ME 410 Heat Transfer	3
ME 410L Thermal Fluid Laboratory	1
ME 482 Mechanical Engineering Design I	2
ME XXX ME Elective I	3
IE 345 Engineering Economic Analysis	3
IS/EGC Interdisciplinary Studies	3
Total	15

Spring Year 4

SIUE Course	Hours
ME 356L Dynamical Systems Laboratory	1
ME 484 Mechanical Engineering Design II	2
ME XXX Elective II	3
ME XXX Elective III	3
BFPA Breadth Fine & Performing Arts	3
EH Health Experience	1
ENG XXX Engineering Elective	3
Total	16

Bachelor of Science Degree Total 129

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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.*