SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE

Pathway - Mechanical Engineering

College of Lake County
Associate in Engineering Science Degree

Fall Year 1

CLC Course		Hours
CLC 120	College Success Seminar	2
MTH 145	Calculus & Analytic Geometry I	5
EGR 120	Introduction to Engineering	1
CHM 121	General Chemistry I	5
ENG 121	English Composition I	3
Total		**16**

Spring Year 1

CLC Course		Hours
MTH 146	Calculus & Analytic Geometry II	4
EGR 121	Engineering Design Graphics	3
ENG 122	English Composition II	3
PHY 123	Physics for Science & Eng. I	5
CSC 128	Computer Science I	4
Total		**19**

Fall Year 2

CLC Course		Hours
PHY 124	Physics for Science & Eng. II	5
EGR 125	Engineering Statics	3
MTH 246	Calculus & Analytic Geometry III	5
IAI Fine Art[1]	IAI Fine Art	3
Total		**16**

Spring Year 2

CLC Course		Hours
MTH 227	Ordinary Differential Equations	3
EGR 225	Engineering Dynamics	3
EGR 260	Introduction to Circuit Analysis	4
ECO 221	Principles of Macroeconomics	3
PSY 121	Introduction to Psychology	3
Total		**16**

Summer Year 2

CLC Course		Hours
EGR 222	Engineering Mechanics of Materials	3
Total		**3**

Associate in Engineering Science Total ***70***

[1]Please consult with CLC or SIUE advisor for course options.

Southern Illinois University Edwardsville
Bachelor of Science Degree

Fall Year 3

SIUE Course		Hours
ME 315	Fluid Mechanics	3
ME 350	Dynamics of Mechanisms	3
ME 354	Numerical Simulation	1
ME 370	Materials Engineering	3
ME 310	Thermodynamics	3
ACS 103	Interpersonal Communication	3
Total		**16**

Spring Year 3

SIUE Course		Hours
ME 312	Thermodynamics II	3
ME 356	Dynamics Systems Modeling	3
ME 380	Design Machine Elements	3
ME 380L	Stress Laboratory	1
PHIL 323	Engineering, Ethics & Professionalism	3
STAT 380	Statistics for Application	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	IS (EREG/ERGU - if needed)	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
ELE XXX	Engineering Elective	3
BLS	Breadth Life Science	4
Total		**16**

Bachelor of Science Degree Total ***133***

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Pathway - Mechanical Engineering

School of Engineering Transfer Credit Advisory Notes:

Students must earn 60 hours from a senior institution for graduation requirements. If students take all SIUE junior and senior level courses, as stated above, at SIUE, they will meet this requirement. Please note: deviating from the planned schedule above may jeopardize this requirement.

SIUE 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 as 1XX, 2XX, 3XX or TRF 1XX, TRF 2XX, TRF 3XX may require a course description and/or syllabus for further evaluation.

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

Interdisciplinary Studies (IS) Courses must be taken at the junior/senior level class standing. This requirement is not waived with completion of transfer associate degree or IAI-GECC. It is recommended that students choose a course to meet this general education requirement AND Global Cultures, Race, and Equity Education Experience (EREG) or US Race, Gender, and Equity Experience (ERGU). Please see the SIUE advisor for a current list of course options.