SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE

Pathway - Industrial Engineering

College of DuPage
Associate in Engineering Science

Fall Year 1

COD Course		Hours
MATH 2231	Calculus & Analytic Geometry I	5
CHEMI 1551	Principles of Chemistry	5
ENGLI 1101	English Composition I	3
ENGIN 1101	Engineering Graphics & Design	3
Total		**16**

Spring Year 1

COD Course		Hours
MATH 2232	Calculus & Analytic Geometry II	5
PHYSI 2111	Physics for Science & Engineer I	5
ENGLI 1102	English Composition II	3
ENGIN 2201	Statics	3
Total		**16**

Fall Year 2

COD Course		Hours
MATH 2233	Calculus & Analytic Geometry III	4
PHYSI 2112	Physics for Science & Engineer II	5
CIS 2541	C++ Language Programming	3
SPEEC 1160	Interpersonal Communication	3
ENGIN 2203	Mechanics of Materials	3
Total		**18**

Spring Year 2

COD Course		Hours
MATH 2270	Differential Equations	4
CIS 2485	C++ for Science & Engineer	3
ENGIN 2210	Circuit Analysis	3
ECONO 2201	Macroeconomics & Global Economy	3
IAI LS	IAI Life Science	3
Total		**16**

Associate in Engineering Science Degree Total 66

Southern Illinois University Edwardsville
Bachelor of Science Degree

Fall Year 3

SIUE Course		Hours
IE 335	Intro to Infor. Proc. Systems	3
IE 345	Engineering Economic Analysis	3
STAT 380	Statistics for Application	3
IE 370	Manufacturing Processes	3
IE 375	3-D Modeling Product Design	3
Total		**15**

Spring Year 3

SIUE Course		Hours
IE 415	Operations Res.-Deterministic Models	3
IE 451	Methods Design & Work Areas	3
IE 465	Design & Control of Quality Sys	3
IE 470	Manufacturing Systems	3
BFPA	Breadth Fine & Performing Arts	3
EH	Health Experience	0-2
Total		**15**

Fall Year 4

SIUE Course		Hours
IE 468	Operations Research	3
IE 476	Plant Wide Process Control	3
IE 483	Production Planning & Control	3
IE 484	Facilities Planning	3
IE XXX	Elective I	3
Total		**15**

Spring Year 4

SIUE Course		Hours
IE 490	Integrated Engineering Design	3
IE XXX	Elective II	3
IE XXX	Elective III	3
PHIL 323	Engineering, Ethics & Professionalism	3
IS/EREG	IS/EREG	3
Total		**15**

Bachelor of Science Degree Total 126

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

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School of Engineering Transfer Credit Advisory Notes:

NOTE: Student must apply for admission to upper-division classes before starting their 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, 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 Culture Race and Equity Experience (EREG). Please see the SIUE advisor for a current list of course options.