

SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE

Pathway - Electrical 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
EET 223 Introduction to Digital Electronics	4
ENG 122 English Composition II	3
PHY 123 Physics for Science & Eng. I	5
PSY 121 Introduction to Psychology	3
Total	19

Fall Year 2

CLC Course	Hours
PHY 124 Physics for Science & Eng. II	5
MTH 246 Calculus & Analytic Geometry III	5
CMM 121 Public Speaking	3
IAI Fine Art ¹ IAI Fine Art	3
Total	16

Spring Year 2

CLC Course	Hours
MTH 227 Differential Equations	3
EGR 260 Intro to Circuit Analysis	4
ECO 221 Principles of Macroeconomics	3
MCS 140/141 Comp. Programming/Comp Science	3/4
Total	13/14

Associate in Engineering Science Total 64/65

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

Southern Illinois University Edwardsville Bachelor of Science Degree

Summer Year 2

SIUE Course	Hours
ECE 211 Circuit Analysis II	4
Total	4

Fall Year 3

SIUE Course	Hours
ECE 326 Electronic Circuits I	4
ECE 351 Signals and Systems	3
ECE 352 Engineering Probability & Statistics	3
MATH 355 Engineering Mathematics	5
Total	15

Spring Year 3

SIUE Course	Hours
ECE 340 Engineering Electromagnetics	3
ECE 365 Control Systems	3
ECE 375 Introduction to Communications	3
Non ECE XXX Non ECE Elective	3
BICS/ERGU Breath Info. Comm. In Soc./ERGU	3
Total	15

Fall Year 4

SIUE Course	Hours
ECE 404 ECE Design	3
ECE 341 Electromechanical Energy Conv.	4
ECE XXX Elective I	3
ECE XXX Elective II	3
BLS Breadth Life Science	3
PHIL 323 Engineering, Ethics & Professionalism	3
Total	19

Spring Year 4

SIUE Course	Hours
ECE 405 ECE Design Laboratory	3
ECE XXX Elective III	3
ECE XXX Elective IV	3
IE 345 Engineering Economic Analysis	3
IS/EREG IS/EREG	3
Total	15

Bachelor of Science Degree Total 132/133

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

**SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE**

Pathway - Electrical Engineering

School of Engineering Transfer Credit Advisory Notes:

NOTE: For students majoring in Civil, Industrial, Mechanical or Mechatronics & Robotics Engineering they 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.