

TRANSFER GUIDE

AS Associate in Engineering Science transferring into BS Electrical Engineering

Elgin Community College Courses			
AS Associate in Science – 62 hours			
ENG 101-3	English Composition I	BIO 113-4	Molecular & Cellular Biology
ENG 102-3	English Composition II	CHM 142-5	General Chemistry I
MTH 190-5	Calculus w/Analytic Geometry	MTH 210-5	Calculus with Analytic Geometry II
CMS 101-3	Fundamentals of Speech	MTH 230-5	Calculus with Analytic Geometry III
Elective-3	Behavioral Science	MTH 250-4	Differential Equations
Elective-3	Social Science	PHY 211-5	Engineering Physics I
Elective-3	Humanities	PHY 212-5	Engineering Physics II
Elective-3	Fine Arts	Elective-3	
Southern Illinois University Carbondale Courses			
BS Electrical Engineering (EE) 70 hours			
ECE 222-3	Intro to Digital Computation	ECE 355/355L-4	Signals & Systems/Lab
ECE 235/235L-4	Electric Circuits/Lab	ECE 375/375L-4	Intro Electromagnet Fields/Lab
ECE 296/296L-4	Software Tools Robotics/Lab	ECE 495E-3	EE Senior Design I
ECE 315-4	Math Methods in ECE	ECE 495D-3	EE Senior Design II
ECE 327/327L-4	Digital Circuit Design HDL/Lab	ECE Electives-24	See SIUC catalog for approved courses
ECE 336-3	Electrical Circuits II	Technical	300-400 CS or 400-level MATH
ECE 345/345L-4	Electronics/Lab	Electives-6	
Total Hours to Bachelor Degree: 132 Hours			

Questions? Contact Us!

Salary Range: \$60,000-\$150,000

Possible Careers: Aerospace Engineer
Automotive Engineer
Biomedical Engineer
Controls System Engineer
Defense Systems Engineer
Electronics Engineer
Electromagnetics Engineer
Power Systems Engineer
Research & Development Engineer
Robotics Engineer
Semiconductor/VLSI
Engineering Signal Processing Engineer
Telecommunications Engineer

Elgin Community College
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Dr. Spyros Tragoudas, Director
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Baccalaureate Degree Requirements

Each candidate for a bachelor's degree must complete the requirements listed:

Hour Requirements. Student must complete at least 120 semester hrs of credit. Each student must have at least 42 hrs in courses that number 300 or above from a four-year institution.

Residence Requirements. Student must complete the residency requirement by taking a total of 42 semester hrs at SIU Carbondale.

Grade Point Average Requirements. Student must have a C average for all work taken at SIU Carbondale. Some academic programs may require a higher graduating major GPA.

Compact Agreement

SIU Carbondale has recognized Illinois regionally accredited community college transferable baccalaureate-oriented Associate of Arts or Associate of Science degrees under the Compact Agreement since 1970. SIUC will continue to recognize the baccalaureate oriented associate degree (A.A. or A.S. degree) under the Illinois Articulation Initiative as satisfying SIU University Core Curriculum (UCC) requirements. The Associate of Applied Science (A.A.S.), Associate in Engineering Science (A.E.S.), the Associate in General Studies (A.G.S.), and the Associate in Fine Arts (A.F.A.) are not covered under the Compact Agreement and do not carry the same benefits as the A.A. and A.S. degrees.

Saluki Transfer Pathways

[Saluki Transfer Pathways](#) is the university's dual admission program that allows baccalaureate-oriented students at eligible community colleges intending to transfer to SIU Carbondale to benefit from early admission and pre-advisement for a baccalaureate program at SIUC. Saluki Transfer Pathways allows students to be conditionally admitted to SIU Carbondale up to two years in advance of their intended transfer term so they have access to transfer credit evaluation and the university's degree audit system. This allows students to address major specific requirements that may not be automatically fulfilled with the completion of an associate degree. Students apply to Saluki Transfer Pathways by completing the Application for Undergraduate Admission and indicating an interest in the program. To participate, students must have at least two semesters remaining at their community college. Direct questions about the Saluki Transfer Pathways program to transfer@siu.edu.

DegreeWorks

DegreeWorks is an easy-to-use, online degree audit tool specifically designed for students. Once admitted to SIU Carbondale, you can use it monitor your progress toward your degree in [Salukinet](#).

Saluki Transfer Estimator Portal (STEP)

The [Saluki Transfer Estimator Portal](#) (STEP) is a web-based tool that integrates institutional course equivalency and degree audit data to provide an unofficial credit estimation and a more seamless transfer process. STEP gives transfer students a clear roadmap for timely degree completion by providing key information about how transfer credits apply to your intended program at SIU.