

TRANSFER GUIDE

Associate in Engineering Science transferring into BS Computer Engineering

Elgin Community College Courses			
AES Associate in Engineering Science – 61 hours			
ENG 101-3	English Composition I	CHM 143-5	General Chemistry II
ENG 102-3	English Composition II	CIS/MTH 123-4	Computer Science for Engineers
MTH 190-5	Calculus with Analytic Geometry	MTH 210-5	Calculus with Analytic Geometry II
Elective-3	Behavioral Science	MTH 230-5	Calculus with Analytic Geometry III
Elective-3	Social Science	MTH 250-4	Differential Equations
Elective-3	Humanities	PHY 211-5	Engineering Physics
Elective-3	Fine Arts	PHY 212-5	Engineering Physics II
CHM 142-5	General Chemistry I		
Southern Illinois University Carbondale Courses			
BS Computer Engineering (CEGR) – 70 hours			
CSMT 101-3	Intro to Oral Communication	ECE 345/345L-4	Electronics/Lab
BIOL 202-3	Human Genetics and Human Health	ECE 355/355L-4	Signals & Systems/Lab
ECE 222-3	Intro to Digital Computation	ECE 495C-3	ECE Senior Design I
ECE 235/235L-4	Electric Circuits/Lab	ECE 495D-3	ECE Senior Design II
ECE 296/296L-4	Software Tools for Robotics/Lab	ECE Electives-23	At least 20 hours from the following list: ECE 412-432, 2 approved CS courses from CS 3XX or 4XX level (except CS 300, 393, or 493)
ECE 315-4	Math Methods in ECE		
ECE 321/321L-4	Intro Software Engineering/Lab		
ECE 327/327L-4	Digital Circuit Design with HDL/Lab		
ECE 329/329L-4	Computer Organization & Design/Lab		
Total Hours to Bachelor Degree: 131 Hours			

Questions? Contact Us!

Salary Range: \$60,000-\$180,000

Possible Careers: Aerospace Engineer
Biomedical Engineer
Cyber/Defense Systems Engineer
Cybersecurity Consultant
Flight Systems Engineer
Satellite Systems Engineer
Semiconductor Engineer
Software Systems Developer

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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.