

## TRANSFER GUIDE

### Associate of Science in Engineering transferring into BS Computer Engineering

Oakton College Courses			
Associate of Science in Engineering – 65 hours			
EGL 101-3	Composition I	CHM 122-4	General College Chemistry II
EGL 102-3	Composition II	PHY 221-5	General Physics I
Elective-3	IAI Social/Behavior Science	PHY 222-5	General Physics II
Elective-3	IAI Social/Behavior Science	CSC 170-2	Intro to Numerical Methods
Elective-3	IAI Fine Arts/Humanities	1 Course-1	CSC 171, 173 or 174
MAT 250-5	Calculus I	ENG 120-3	Engineering Graphics
MAT 251-4	Calculus II	ENG 211-3	Analytical Mechanics (Statics)
MAT 252-4	Calculus III	ENG 212-3	Analytic Mechanics (Dynamics)
MAT 262-3	Ordinary Differential Equations	ENG 220-4	Engineer Circuit Analysis
CHM 121-4	General College Chemistry I		
Southern Illinois University Carbondale Courses Capstone Option			
BS Computer Engineering (CEGR) – 74 hours			
CMST 101-3	Intro to Oral Communication	ECE 321,321L-4	Intro to Software Engineering w/Lab
Elective-3	Life Science	ECE 327,327L-4	Digital Circuit Design with HDL w/Lab
Elective-3	Fine Arts	ECE 329,329L-4	Comp Organization & Design w/Lab
BIOL 202-2	Human Genetics & Human Health	ECE 345,345L-4	Electronics w/Lab
Elective-3	Multicultural	ECE 355,355L-4	Signals & Systems w/Lab
ECE 222-3	Intro to Digital Computation	ECE 495C-3	CEGR Senior Design I
ECE 296,296L-4	Intro Microcont & Robotics w/Lab	ECE 495D-3	ECE Senior Design II
ECE 315-4	Mathematical Methods in ECE	ECE Electives-23	Select from list of approved courses
Total Hours to Bachelor Degree: 139 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  
Power Distribution Engineer

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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](mailto: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.