

TRANSFER GUIDE

Associate of Science in Engineering transferring into BS Computer Engineering

Oakton Community College Courses			
Associate of Science in Engineering – 65 hours			
EGL 101-3	Composition I	CSC 171, 172,	C++, FORTRAN, or Java Programming
EGL 102-3	Composition II	or 173-1	for Engineers
Elective-3	Social/Behavioral Science	CHEM 121-4	General College Chemistry I
Elective-3	Fine Arts/Humanities	ENG 120-3	Engineering Graphics
ECO 201-3 or	Principles of Macroeconomics or	ENG 211-3	Analytical Mechanics (Statics)
ECO 202-3	Principles of Microeconomics	ENG 212-3	Analytical Mechanics (Dynamics)
MATH 250-5	Calculus I	ENG 220-4	Engineering Circuit Analysis
MATH 251-4	Calculus II	ENG 250-4	Intro to Digital Systems
MATH 252-4	Calculus III	PHY 221-5	General Physics I
MATH 262-3	Ordinary Differential Equations	PHY 222-5	General Physics II
CSC 170-2	Intro to Numerical Methods		
Southern Illinois University Carbondale Courses			
BS Computer Engineering – 71 hours			
BIOL 202-2	Human Genetics & Human Health	ECE 345/345L-4	Electronics/Lab
PHIL 105-3	Elementary Logic	ECE 355/355L-4	Signals & Systems/Lab
ECE 222-3	Intro to Digital Computation	ECE 495C-3	CEGR Senior Design I
ECE 296/296L-4	Software Tools for Engineers/Lab	ECE 495D-3	ECE Senior Design II
ENGR 304I-3	Social History American Technology	ECE Electives-25	At least 20 hrs from: ECE 422, 423,
ECE 315-4	Mathematical Methods in ECE		424, 425, 427, 428, 429, 432
ECE 321/321L-4	Intro to Software Engineering/Lab	CS Electives-5	Select 2 approved Comp Sci courses
ECE 329/329L-4	Comp Organization & Design/Lab		
Total Hours to Bachelor Degree: 136 Hours			

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

Questions? Contact Us!

Oakton Community College

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Southern Illinois University Carbondale

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Baccalaureate Degree Requirements

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

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

Residence Requirements. Each student must complete the residence requirement by taking the last year, which is defined as 30 uninterrupted semester hours, or a total of 90 semester hours at SIU Carbondale.

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

Dual Admission Program

The Dual Admission Program (DAP) allows baccalaureate-oriented students at eligible community colleges to benefit from pre-advisement for a chosen major at SIU Carbondale. The DAP addresses specific departmental requirements that a student may not automatically fulfill by completing their associate degree at their community college. Students apply to the DAP by completing the Application for Undergraduate Admission and indicating interest in the DAP. Students must have at least two semesters remaining at their community college to participate, [must select a participating SIU major](#), and [must attend an eligible community college](#). Students who apply for the DAP are provided a transfer plan that will guide them to the most direct route to their bachelor's degree, along with personalized contact with an SIU representative. Dual Admission Program students receive access to enroll in an online Dual Admission Program course, which connects students early to the University, its resources, and other transfer students.

Compact Agreement

SIU has recognized the Illinois regionally accredited community college transferable baccalaureate oriented Associate of Arts or Associate of Science degrees under the Compact Agreement since 1970. SIU 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). 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.

Degree Works

Degree Works is an easy-to-use, comprehensive, online degree audit tool specifically designed for students. The audit reflects program requirements from the Undergraduate Catalog measured against registration and transfer work to guide the degree audit function as it applies to the individual student. Once admitted to SIU Carbondale, you can run a Degree Works degree audit against your academic record by searching "Degree Works" in [SalukiNet](#).