

TRANSFER GUIDE

Associate of Science in Engineering transferring into BS Mechanical Engineering

Oakton Community College Courses			
Associate of Science in Engineering – 64 hours			
EGL 101-3	Composition I	CSC 171, 172, or 173-1	C++, FORTRAN, or Java Programming for Engineers
EGL 102-3	Composition II		
Elective-3	Social/Behavioral Science	CHEM 121-4	General College Chemistry I
Elective-3	Fine Arts/Humanities	CHEM 122-4	General College Chemistry II
ECO 202-3	Principles of Microeconomics	ENG 120-3	Engineering Graphics
MATH 250-5	Calculus I	ENG 211-3	Analytical Mechanics (Statics)
MATH 251-4	Calculus II	ENG 212-3	Analytical Mechanics (Dynamics)
MATH 252-4	Calculus III	ENG 217-3	Strength of Materials
MATH 262-3	Ordinary Differential Equations	PHY 221-5	General Physics I
CSC 170-2	Intro to Numerical Methods	PHY 222-5	General Physics II
Southern Illinois University Carbondale Courses			
BS Electrical Engineering – 62 hours			
BIOL 202-2	Human Genetics & Human Health	ME 400-3	Engineering Thermodynamics II
ECE 222-3	Intro to Digital Computation	ME 401-1	Thermal Measurements Lab
ENGR 335-3	Electric Circuits	ME 407-2	Measurements & Instrumentation
ENGR 350B-1	Mechanics of Materials (Lab only)	ME 411-3	Mfg Methods for Engr Materials
ENGR 351-3	Numerical Methods in Engineering	ME 472-3	Materials Selection for Design
ENGR 370A-3	Fluid Mechanics	ME 475-3	Machine Design I
ME 300-3	Engineering Thermodynamics I	ME 495A-3	Mechanical Engineering Design
ME 302-3	Engineering Heat Transfer	ME 495B-3	Mechanical Engineering Design
ME 309-3	Mechanical Analysis & Design	ME Electives-9	Any 300/400-level ME courses
ME 312-3	Materials Science Fundamentals	Gen Electives-3	As necessary to meet 126 hours
ME 336-3	System Dynamics and Control		
Total Hours to Bachelor Degree: 126 Hours			

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

Possible Careers: Aerospace Engineer
Biomedical Engineer
Controls Systems Engineer
Cyber/Defense Systems Engineer
Electronics Engineer
Research & Development Engineer
Semiconductor Engineer
Telecommunications/Utilities Engineer

Questions? Contact Us!

Oakton Community College

Joseph Kotowski, Chair
Department of Engineering
P: 847-635-1268
E: koto@oakton.edu

Southern Illinois University Carbondale

Dr. Rasit Koc, Chair
Department of Mechanical Engineering &
Engineering Processes
P: 618-536-2396
E: kocr@siu.edu

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](#).