

TRANSFER GUIDE

Associate in Engineering Science transferring into BS Mechanical Engineering

Southeastern Illinois Courses			
Associate in Engineering Science – 68 hours			
ENG 121-3	Rhetoric & Composition I	MATH 222-5	Calculus & Analytic Geometry III
ENG 122-3	Rhetoric & Composition II	MATH 225-3	Differential Equations
ECON 122-3	Intro to Microeconomics	CHEM 121-5	General Chemistry I
Elective-3	Humanities	CHEM 122-5	General Chemistry & Analysis II
Elective-3	Humanities	GRAP 121-3	Engineering Graphics 1
Elective-3	Fine Arts	PHYS 221-5	General Physics
MATH 162-5	Calculus & Analytic Geometry I	PHYS 222-5	General Physics II
MATH 165-3	Scientific Programming	PHYS 241-3	Statics
MATH 221-5	Calculus & Analytic Geometry II	PHYS 242-3	Dynamics
Southern Illinois University Carbondale Courses Capstone Option			
BS Mechanical Engineering (ME) – 72 hours			
CMST 101-3	Intro to Oral Communication	ME 302-3	Engineering Heat Transfer
BIOL 202-2	Human Genetics & Human Health	ME 309-3	Mechanical Analysis & Design
Elective-3	Life Science	ME 312-3	Materials Science Fundamentals
Elective-3	Multicultural	ME 336-3	System Dynamics & Control
1 Course-2	ENGR 222 or ENGR 296 or ME 222	ME 401-1	Thermal Measurements Lab
ENGR 335-3	Electric Circuits I	ME 407-2	Measurements & Instrumentation
ENGR 350A-3	Mechanics of Materials	ME 411-3	Mftg Methods for Engr Materials
ENGR 351-3	Numerical Methods in Engineering	ME 475-3	Machine Design I
ENGR 370A-3	Fluid Mechanics	ME 495A-3	Mechanical Engineering Design
ME 102-2	Computer-Aided Engr Drawing	ME 495B-3	Mechanical Engineering Design
ME 300-3	Engineering Thermodynamics I	ME Electives-15	Select from list of approved courses
Total Hours to Bachelor Degree: 140 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!

Southeastern Illinois College

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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 OkaYtheir 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.