

TRANSFER GUIDE

AS Associate in Engineering Science transferring into BS Mechanical Engineering

Elgin Community College Courses			
AS Associate in Science – 73 hours			
ENG 101-3	English Composition I	CHM 143-5	General Chemistry II
ENG 102-3	English Composition II	EGR 152-3	Statics
MTH 190-5	Calculus w/Analytic Geometry	EGR 172-3	Mechanics of Materials
CMS 101-3	Fundamentals of Speech	EGR 252-3	Dynamics
ECN 201-3	Principles of Microeconomics	MTH 210-5	Calculus with Analytic Geometry II
Elective-3	Behavioral Science	MTH 230-5	Calculus with Analytic Geometry III
Elective-3	Humanities	MTH 250-4	Differential Equations
Elective-3	Fine Arts	PHY 211-5	Engineering Physics I
BIO 113-4	Molecular & Cellular Biology	PHY 212-5	Engineering Physics II
CHM 142-5	General Chemistry I		
Southern Illinois University Carbondale Courses			
BS Mechanical Engineering (EE) - 58 hours			
ENGR 350B-1	Mechanics of Materials Lab	ME 312-3	Materials Science Fundamentals
ENGR 222-2	Comp Methods for Engr Tech	ME 336-3	System Dynamics & Control
ENGR 335-3	Electric Circuits	ME 407/401	Thermal Measurements/Lab
ENGR 351-3	Numerical Methods	ME 411-3	Manuf Methods for Engr Models
ENGR 370A-3	Engineering Thermodynamics I	ME 475-3	Machine Design I
ME 102-3	Computer Aided Engr Drawing	ME 495A-3	Mechanical Engr Design
ME 300-3	Engineering Thermodynamics II	ME 495B-3	Mechanical Engr Design
ME 302-3	Engineering Heat Transfer	Electives-15	Choose from 400-level ME courses
ME 309-3	Mech Analysis & Design		
Total Hours to Bachelor Degree: 131 Hours			

Salary Range: \$50,000-\$130,000
(\$90,160 – Median Pay)

Possible Careers: Mechanical Design Engineer
Robotics Engineer
Process Engineer
Power Systems Engineer
Aerospace Engineer
Engine Design
Automation Engineer
Materials Research Engineer
Energy Engineer

Questions? Contact Us!

Elgin Community College

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Engineering

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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.