TRANSFER GUIDE

Associate in Engineering Science transferring into BS Mechanical Engineering

Southwestern Illinois Community College			
Associate in Engineering Science – 68 hours			
COMM 151-3	Fundamentals of Public Speaking	MATH 205-4	Calculus III
ENG 101-3	Composition I	MATH 290-3	Differential Equations
ENG 102-3	Composition II	PHYS 205-4	Engr Physics: Heat, Elec, Magnt
MATH 203-5	Calculus I	CHEM 106-5	General Chemistry II
SOC 153-3	Intro to Sociology	ENGR 103-4	Engineering Graphics
PHYS 204-4	Engineering Physics: Mechanics	ENGR 263-3	Analytical Mechanics-Statics
Elective-2	Well Being Course	ENGR 264-3	Analytical Mechanics-Dynamics
HIST 286-3 PHIL 155-3	History of Religion-or- Non-Western Philosophy	ENGR 271-3	Electrical Circuits
CHEM 105-5	General Chemistry I	ENGR 275-3	Mechanics of Solids
MATH 204-5	Calculus II		
Southern Illinois University Carbondale Courses			
BS Mechanical Engineering – 65 hours			
ECON 240-3	Intro to Microeconomics	ME 309-3	Mechanical Analysis & Design
Elective-3	Humanities	ME 312 3	Materials Science Fundamentals
Elective-3	Fine Arts	ME 336-3	System Dynamics and Control
BIOL 202-2	Human Genetics & Human Health	ME 401-1	Thermal Measurements Lab
ENGR 350B-1	Mechanics of Materials (Lab only)	ME 407-2	Measurements & Instrumentation
ENGR 351-3	Numerical Methods in Engineering	ME 411-3	Mfg Methods for Engr Materials
ENGR 370A-3	Fluid Mechanics	ME 475-3	Machine Design I
ME 222-2	Matlab Programming for Mechanical Engineers	ME 495A-3	Mechanical Engineering Design
ME 300-3	Engineering Thermodynamics I	ME 495B-3	Mechanical Engineering Design
ME 302-3	Engineering Heat Transfer	ME Electives-15	See Degree Plan
Total Hours to Bachelor Degree: 133 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!

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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.