

TRANSFER GUIDE

Associate of Science transferring into BS Mechanical Engineering

| Shawnee Community College Courses | | | |
|--|--|----------------|-----------------------------------|
| Associate of Science – 67 hours | | | |
| ENG 111-3 | English Composition I | Elective-3 | Humanities |
| ENG 112-3 | English Composition II | Elective-3 | Fine Arts |
| SPC 111-3 | Speech | MAT 211-5 | Calculus II |
| MAT 209-5 | Calculus I | MAT 212-5 | Calculus III |
| ECO 212-3 | Intro to Microeconomics | MAT 213-3 | Ordinary Differential Equations I |
| BIO 115-4 | Human Biology | PHY 216-4 | University Physics I |
| CHE 114-5 | Inorganic Chemistry I w/Lab | PHY 217-4 | University Physics II |
| CHE 115-5 | Inorganic, Organic & Biochemistry | EGR 212-3 | Engineering Statics |
| Elective-3 | Social Science | EGR 214-3 | Engineering Dynamics |
| Southern Illinois University Carbondale Courses | | | |
| BS Mechanical Engineering (ME) – 61 hours | | | |
| ME 102-2 | Computer-Aided Engr Drawing | ME 336-3 | System Dynamics and Control |
| ENGR 296-2 or ME 222-2 | Software Tools for Engineers or MATLAB for ME | ME 400-3 | Engineering Thermodynamics II |
| ENGR 335-3 | Electric Circuits | ME 401-1 | Thermal Measurements Lab |
| ENGR 350A-3 | Mechanics of Materials | ME 407-2 | Measurements & Instrumentation |
| ENGR 351-3 | Numerical Methods | ME 411-3 | Mfg Methods: Engr Materials |
| ENGR 370A-3 | Fluid Mechanics | ME 472-3 | Materials Selection for Design |
| ME 300-3 | Engineering Thermodynamics I | ME 475-3 | Machine Design I |
| ME 302-3 | Engineering Heat Transfer | ME 495A-3 | Mechanical Engr Design |
| ME 309-3 | Mechanical Analysis & Design | ME 495B-3 | Mechanical Engr Design |
| ME 312-3 | Materials Sci Fundamentals | ME Electives-9 | 300/400 level ME courses |
| Total Hours to Bachelor Degree: 128 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!

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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.