



TRANSFER GUIDE

AS General transferring into BS Mechanical Engineering

Shawnee Community College Courses			
AS General – 64 hours			
SPC 111-3	Speech	Elective-3	Fine Arts
ENG 111-3	English Composition I	CHE 115-5	Inorganic Chemistry-Qual Analysis
ENG 112-3	English Composition II	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
Elective-3	Social Sciences	PHY 216-4	University Physics I
Elective-3	Humanities	PHY 217-4	University Physics II
CHE 114-5	Inorganic Chemistry I w/Lab	Electives-7	
Southern Illinois University Carbondale Courses			
BS Mechanical Engineering (ME) – 69 hours			
BIOL 202-2	Human Genetics & Human Health	ME 309-3	Mechanical Analysis & Design
1 Course-2	ENGR 222/ENGR 296/ME 222	ME 312-3	Materials Science Fundamentals
ENGR 250-3	Statics	ME 336-3	System Dynamics & Control
ENGR 261-3	Dynamics	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	Manufacturing Methods 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 Engineering Draw	ME 495B-3	Mechanical Engineering Design
ME 300-3	Engineering Thermodynamics I	ME Electives-15	12 ME at 400 level & 3 of IMAE 470A or 400-level course used for Math minor
ME 302-3	Engineering Heat Transfer		
Total Hours to Bachelor Degree: 133 Hours			

Questions? Contact Us!

Salary Range:

\$70,000 - \$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

Shawnee Community College

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Disclaimer: You are encouraged to use this transfer guide when planning your progress towards degree completion. Following a transfer guide does not guarantee admission into the listed program. Information is attempted to be kept current; however, any curriculum changes reflected in the Undergraduate Catalog override the information on this guide. Contact your Academic Advisor for assistance in interpreting this guide.



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.