

TRANSFER GUIDE

Associate of Engineering Science to BS Mechanical Engineering

Waubonsee Community College Courses			
Associate of Engineering Science (A.E.S.) – 62 hours			
COM 100-3	Fund. of Speech Communication	CIS 230-3	Advanced Programming
ENG 101-3	First-Year Composition I	EGR 220-3	Analytical Mech – Statics
ENG 102-3	First-Year Composition II	EGR 230-3	Analytical Mech – Dynamics
CHM 121-4	General Chemistry	MTH 132-4	Calculus w/Analytic Geometry II
MATH 131-4	Calculus w/Analytic Geometry	MTH 233-4	Calculus w/Analytic Geometry III
ECN 201-3	Prin. Economics: Microeconomics	MTH 240-3	Differential Equations
Elective-3	*Humanities	PHY 221-5	General Physics I
Elective-3	*Fine Arts	PHY 222-5	General Physics II
CIS 115-3	Intro to Programming	<i>*One course satisfying degree requirements must have a non-Western (N) or diversity (D) emphasis.</i>	
CIS 130-3	C++ Programming		
Southern Illinois University Carbondale Courses			
BS Mechanical Engineering (ME) – 126 hours			
BIOL 202-2	Human Genetics and Human Health	ME 312-3	Materials Sci Fundamentals
Elective-3	Multicultural	ME 336-3	System Dynamics & Control
ME 102-2	Computer-Aided Engineering Drawing	ME 400-3	Engr Thermodynamics II
ENGR 296-2 -or- ME 222-2	Software Tools for Engineers or MATLAB for ME	ME 401-1	Thermal Measurements Lab
ENGR 335-3	Electric Circuits	ME 407-2	Measurements & Instrumentation
ENGR 350A-3	Mechanics of Materials	ME 411-3	Mnfg Methods: Engr Malts
ENGR 351-3	Numerical Methods	ME 472-3	Materials Selection for Design
ENGR 370A-3	Fluid Mechanics	ME 475-3	Machine Design I
ME 300-3	Engineering Thermodynamics I	ME 495A-3	Mechanical Engr Design
ME 302-3	Engineering Heat Transfer	ME 495B-3	Mechanical Engr Design
ME 309-3	Mechanical Analysis & Design	ME Electives-9	Choose from 400-level ME courses
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!

Waubonsee Community 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 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.