

TRANSFER GUIDE

Associate in Engineering Science transferring into BS Mechanical Engineering

College of Lake County Courses			
Associate in Engineering Science – 72			
ENG 121-3	English Composition I	CHEM 123-5	General Chemistry/Lab
ENG 122-3	English Composition II	MTH 146-4	Calc & Analytic Geometry II
MTH 145-5	Calculus & Analytic Geometry I	MTH 246-5	Calc & Analytic Geometry III
PSY 121-3	Intro to Psych -or- IAI Soc/Behav Sci	MTH 227-3	Ordinary Differential Equations
ECO 222-3	Prin of Micro -or- IAI Soc/Behav Sci	EGR 121-3*	Engineering Graphics
PHI 125-3	Intro to Ethics -or- IAI Humanities	EGR 222-3*	Mechanics of Materials
PHY 123-5	Physics for Sci & Engr I	EGR 125-3*	Engineering Statics
PHY 124	Physics for Sci & Engr II	EGR 225-3*	Engineering Dynamics
CLC 120-2	College Success Seminar	EGR 260-3*	Intro to Circuit Analysis
CHM 121-5	General Chemistry I	MCS 140-3	Computer Programming I
*Required courses for BS ME – courses can be taken at CLC or SIUC			
Southern Illinois University Carbondale Courses			
BS Mechanical Engineering (ME) – 67 hours			
Elective-3	Life Science	ME 312-3	Material Sci Fundamentals
Elective-3	Fine Arts	ME 336-3	System Dynamics & Control
Elective-3	Multicultural	ME 401-1	Thermal Measurements Lab
BIOL 202-2	Human Genetics & Health	ME 407-2	Measurements & Instrumentation
ME 222-2	MATLAB for ME	ME 411-3	Mnfg Methods: Engr Matls
ENGR 351-3	Numerical Methods	ME 475-3	Machine Design I
ENGR 370A-3	Fluid Mechanics	ME 495A-3	Mechanical Engr Design
ME 300-3	Engineering Thermodynamics I	ME 495B-3	Mechanical Engr Design
ME 302-3	Engineering Heat Transfer	Elective-15	ME Electives, 400 Level
ME 309-3	Mechanical Analysis & Design		
Total Hours to Bachelor Degree: 139			

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

Possible Careers: **Mechanical Design Engineer**

Robotics Engineer
 Process Engineer
 Power Systems Engineer
 Aerospace Engineer

Questions? Contact Us!

College of Lake County
 Cindy Kaplan
 Transfer Information Coordinator
 P: 847-543-2351
 E: ckaplan@clcollinois.edu

Southern Illinois University Carbondale
 Dr. Kanchan Mondal, Director
 School of Mechanical, Aerospace, & Materials Engineering
 P: 618-536-5521

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.