

## TRANSFER GUIDE

### Associate in Engineering Science transferring into BS Mechanical Engineering

McHenry County College Courses			
Associate in Engineering Science – 62 hours			
ENG 151-3	Composition I	EGR 260-4	Circuit Analysis
ENG 152-3	Composition II	MAT 245-5	Calculus & Analytical Geometry II
MAT 175-5	Calculus & Analytical Geometry I	MAT 255-4	Calculus & Analytical Geometry III
CHM 165-5	General Chemistry I	MAT 260-3	Differential Equations
ECO 251-3	Microeconomics	PHY 291-4	Principles of Physics I
Gen Educ-3	IAI Social/Behavioral Science	PHY 292-4	Principles of Physics II
Gen Educ-3	IAI Humanities/Fine Arts	MCC 101-1	The College Experience
Gen Educ-3	Non-Western Cultures w/in the US	Elective-3	Engineering Specialty Course
CSC 121-4	Computer Science I	Elective-2	
Southern Illinois University Carbondale Courses Capstone Option			
BS Mechanical Engineering (ME) – 76 hours			
CMST 101-3	*Intro to Oral Communication	ME 302-3	Engineering Heat Transfer
Elective-3	*Life Science	ME 309-3	Mechanical Analysis & Design
BIOL 202-2	Human Genetics & Human Health	ME 312 3	Materials Science Fundamentals
CHEM 210,211-4	General & Inorganic Chem w/Lab	ME 336-3	System Dynamics and Control
1 Course-2	ENGR 222 or 296 or ME 222	ME 401-1	Thermal Measurements Lab
ENGR 250-3	Statics	ME 407-2	Measurements & Instrumentation
ENGR 261-3	Dynamics	ME 411-3	Mfg Methods for Engr Materials
ENGR 350A-3	Mechanics of Materialsa	ME 475-3	Machine Design I
ENGR 351-3	Numerical Methods in Engineering	ME 495A-3	Mechanical Engineering Design
ENGR 370A-3	Fluid Mechanics	ME 495B-3	Mechanical Engineering Design
ME 102-2	Computer-Aided Engineering Drawing	ME Electives-15	Select from list of approved courses
ME 300-3	Engineering Thermodynamics I		
Total Hours to Bachelor Degree: 138 Hours			

\*Courses may be taken at MCC. Consult your academic advisor.

**Salary Range:** \$60,000-\$150,000

**Possible Careers:**

- Aerospace Engineer
- Biomedical Engineer
- Controls Systems Engineer
- Cyber/Defense Systems Engineer
- Electromechanical Engineer
- Electronics Engineer
- Manufacturing Engineer
- Mechanical Engineer
- Research Development Engineer
- Semiconductor Engineer
- Telecommunications/Utilities Engineer

### Questions? Contact Us!

#### McHenry County College

Julie Sherwood  
 Articulation & Transfer Coordinator  
 P: 815-479-7654  
 E: [JSherwood5066@mchenry.edu](mailto:JSherwood5066@mchenry.edu)

#### Southern Illinois University Carbondale

Dr. Rasit Koc, Interim Director  
 School of Mechanical, Aerospace, & Materials Engineering  
 P: 618-453-7002  
 E: [kocr@siu.edu](mailto:kocr@siu.edu)

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 was updated on 7/22/19; 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 OkaYtheir community college. Direct questions about the Saluki Transfer Pathways program to [transfer@siu.edu](mailto: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.