

## TRANSFER GUIDE

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

Southeastern Illinois College Courses			
Associate in Engineering Science – 71 hours			
ENG 121-3	Rhetoric & Composition I	MATH 222-5	Calculus & Analytical Geometry III
ENG 122-3	Rhetoric & Composition II	MATH 225-3	Differential Equations
COM 121-3	Principles of Speaking	CHEM 121-5	General Chemistry I
ECON 122-3	Intro to Microeconomics	CHEM 122-5	General Chemistry/Qual Analysis II
PSYC 121-3	Intro to Psychology	GRAP 121-3	Engineering Graphics I
PHIL 122-3	Fundamentals of Logic	PHYSICS 221-5	General Physics I
Elective-3	Fine Arts	PHYSICS 222-5	General Physics II
MATH 162-5	Calculus & Analytical Geometry I	PHYSICS 241-3	Statics
MATH 165-3	Scientific Programming	PHYSICS 242-3	Dynamics
MATH 221-5	Calculus & Analytical Geometry II		
Southern Illinois University Carbondale Courses			
BS Mechanical Engineering – 62 hours			
BIOL 202-2	Human Genetics & Human Health	ME 336-3	System Dynamics and Control
Elective-3	Multicultural	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 & Controls
ENGR 351-3	Numerical Methods	ME 411-3	Mfg Methods: Engineering Materials
ENGR 370A-3	Fluid Mechanics	ME 472-3	Materials Selection for Design
ME 300-3	Engineering Thermodynamics	ME 475-3	Machine Design I
ME 302-3	Engineering Heat Transfer	ME 495A-3	Mechanical Engineering Design
ME 309-3	Mechanical Analysis & Design	ME 495B-3	Mechanical Engineering Design
ME 312-3	Materials Science Fundamentals	ME Electives-9	Select any 300/400 level ME courses
Total Hours to Bachelor Degree: 133 Hours			

### Questions? Contact Us!

**Salary Range:** \$50,000-\$130,000

**Possible Careers:** Mechanical Design Engineer  
Robotics Engineer  
Process Engineer  
Power Systems Engineer  
Mechanical Research & Development Engineer  
Mechanical Analysis & Structural Engineer  
Auto Research Engineers

#### Southeastern Illinois College

Gina Sirach  
Executive Dean of Academic Services  
P: 618-252-5400, ext. 2250 or 2251  
E: [gina.sirach@sic.edu](mailto:gina.sirach@sic.edu)

#### Southern Illinois University Carbondale

Dr. Rasit Koc, Chair  
Department of Mechanical Engineering & Engineering Processes  
P: 618-536-2396  
E: [kocr@siu.edu](mailto:kocr@siu.edu)

## Baccalaureate Degree Requirements

Each candidate for a bachelor's degree must complete the requirements listed:

**Hour Requirements.** Each student must complete at least 120 semester hours of credit. Each student must have at least 42 hours in courses that number 300 or above from a four-year institution.

**Residence Requirements.** Each student must complete the residence requirement by taking the last year, which is defined as 30 uninterrupted semester hours, or a total of 90 semester hours at SIU Carbondale.

**Grade Point Average Requirements.** Each student must have a C average for all work taken at SIU Carbondale. Some academic programs may require a higher graduating major GPA.

## Dual Admission Program

The Dual Admission Program (DAP) allows baccalaureate-oriented students at eligible community colleges to benefit from pre-advisement for a chosen major at SIU Carbondale. The DAP addresses specific departmental requirements that a student may not automatically fulfill by completing their associate degree at their community college. Students apply to the DAP by completing the Application for Undergraduate Admission and indicating interest in the DAP. Students must have at least two semesters remaining at their community college to participate, [must select a participating SIU major](#), and [must attend an eligible community college](#). Students who apply for the DAP are provided a transfer plan that will guide them to the most direct route to their bachelor's degree, along with personalized contact with an SIU representative. Dual Admission Program students receive access to enroll in an online Dual Admission Program course, which connects students early to the University, its resources, and other transfer students.

## Compact Agreement

SIU has recognized the Illinois regionally accredited community college transferable baccalaureate oriented Associate of Arts or Associate of Science degrees under the Compact Agreement since 1970. SIU 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). 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.

## Degree Works

*Degree Works* is an easy-to-use, comprehensive, online degree audit tool specifically designed for students. The audit reflects program requirements from the Undergraduate Catalog measured against registration and transfer work to guide the degree audit function as it applies to the individual student. Once admitted to SIU Carbondale, you can run a Degree Works degree audit against your academic record by searching "Degree Works" in [SalukiNet](#).