

# TRANSFER GUIDE

## AS General transferring into BS Mechanical Engineering

Black Hawk College Courses			
AS General – 70 hours (60 min. to complete AS)			
ENG 101-3	Composition I	General Education-3	IAI Fine Arts*
ENG 102-3	Composition II	CHEM 102-4	General Chemistry II
SPEC 101-3	Prin of Speech Communication	GE 101-3	Engr Graphics and Geometry
MATH 124-4	Calculus I w/ Analytic Geometry	GE 201-3	Analytic Mechanics-Statics
ECON 222-3	Principles of Microeconomics	GE 202-3	Analytic Mechanics-Dynamics
CHEM 101-4	General Chemistry I	GE 205-3	Strength of Materials
PHYS 201-5	Mechanical & Thermal Physics	MATH 225-4	Calculus II w/ Analytic Geometry
BIOL 250-3	Genetics (no lab)	MATH 226-5	Calculus III w/ Analytic Geometry
General Education-3	IAI Social Science*	MATH 235-3	Differential Equations
General Education-3	IAI Humanities*	PHYS 202-5	Electricity & Magnetism
Southern Illinois University Carbondale Courses			
BS Mechanical Engineering– 56 hours			
ENGR 296-2 -or- ME 222-2	Software Tools for Engineers -or- MATLAB for ME	ME 400-3	Engineering Thermodynamics II
ENGR 335-3	Electric Circuits	ME 401-1	Thermal Measurements Laboratory
ENGR 351-3	Numerical Methods in Engineering	ME 407-2	Measurements and Instrumentation
ENGR 370A-3	Fluid Mechanics	ME 411-3	Mfg Methods for Engineering Mats
ME 300-3	Engineering Thermodynamics I	ME 472-3	Materials Selection for Design
ME 302-3	Engineering Heat Transfer	ME 475-3	Machine Design I
ME 309-3	Mechanical Analysis & Design	ME 495A-3	Mechanical Engineering Design
ME 312-3	Materials Science Fundamentals	ME 495B-3	Mechanical Engineering Design
ME 336-3	System Dynamics & Control	ME Electives-9	At least 3 hrs must be 300/400 level
<b>Total Hours to Bachelor Degree: 126 Hours</b>		<b>Guide created by SIUC effective 4/28/202</b>	

\*Choose one course designated as Non-Western Studies

### Questions? Contact Us!

**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

**Black Hawk College**  
Dr. Douglas Davidson  
Professor of Physics  
P: 309-796-5246 | E: [davidsond@bhc.edu](mailto:davidsond@bhc.edu)

Advising Center  
P: 309-796-5101 | E: [ADVQC@bhc.edu](mailto:ADVQC@bhc.edu)

**Southern Illinois University Carbondale**  
Dr. Kanchan Mondal, Director  
School of Mechanical, Aerospace, & Materials  
Engineering  
P: 618-536-5521  
E: [kmondal@siu.edu](mailto:kmondal@siu.edu)

## 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.

## Black Hawk College Associate Degree Requirements [See the BHC catalog for all requirements](#)

Each candidate for an associate's degree must complete the requirements listed:

**Hour Requirements.** Student must complete at least 60 semester hrs of credit. Some AAS degrees may require additional hrs of credit.

**Residence Requirements.** For an AA or AS degree, student must take a total of 24 semester hrs at BHC. For an AAS degree, student must take 20% of the AAS's total credits at BHC.

**Grade Point Average Requirements.** Student must have a C average for all work taken at BHC. English Comp I and II taken at BHC or transferred to BHC must have a grade of 'C' or better.

## 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](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.