

## TRANSFER GUIDE

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

<b>Oakton College Courses</b>			
<b>Associate of Science in Engineering – 64 hours</b>			
EGL 101-3	Composition I	1 Course-1	CSC 171, 173 or 174
EGL 102-3	Composition II	CHM 121-4	General College Chemistry I
Elective-3	*IAI Social/Behavioral Science	CHM 122-4	General College Chemistry II
Elective-3	*IAI Fine Arts/Humanities	PHY 221-5	General Physics I
ECO 202-3	Principles of Microeconomics	PHY 222-5	General Physics II
MAT 250-5	Calculus I	ENG 120-3	Engineering Graphics
MAT 251-4	Calculus II	ENG 211-3	Analytic Mechanics (Statics)
MAT 252-4	Calculus III	ENG 212-3	Analytic Mechanics (Dynamics)
MAT 262-3	Ordinary Differential Equations	ENG 217-3	Strength of Materials
CSC 170-2	Intro to Numerical Methods		
<b>Southern Illinois University Carbondale Courses Capstone Option</b>			
<b>BS Mechanical Engineering (ME) – 73 hours</b>			
CMST 101-3	Intro to Oral Communication	ME 302-3	Engineering Heat Transfer
Elective-3	Life Science	ME 309-3	Mechanical Analysis & Design
Elective-3	Fine Arts	ME 312-3	Materials Science Fundamentals
BIOL 202-2	Human Genetics & Human Health	ME 336-3	System Dynamics & Control
Elective-3	Multicultural	ME 401-1	Thermal Measurements Lab
1 Course-2	ENGR 222 or 296 or ME 222	ME 407-2	Measurements & Instrumentation
ENGR 335-3	Electric Circuits I	ME 411-3	Mfg Methods for Engr Materials
ENGR 350A-3	Mechanics of Materials	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 300-3	Engineering Thermodynamics I	ME Electives-15	Select from list of approved courses
<b>Total Hours to Bachelor Degree: 137 Hours</b>			

\*Must satisfy both Global Studies & US Diversity Studies requirements

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

**Possible Careers:** Aerospace Engineer  
 Biomedical Engineer  
 Controls Systems Engineer  
 Cyber/Defense Systems Engineer  
 Electronics Engineer  
 Research Development Engineer  
 Semiconductor Engineer  
 Telecommunications/Utilities Engineer

**Questions? Contact Us!**

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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 is assumed current; 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 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.