

TRANSFER GUIDE

AES Pre-Engineering transferring into BS Mechanical Engineering

Kaskaskia College Courses			
AES Pre-Engineering – 64-70 hours			
ENGL 101-3	English Composition I	MATH 210-3	Computer Programming for Engineers
ENGL 102-3	English Composition II	MATH 267-4	Calculus & Analytical Geometry II
SPCH 103-3	Fundamentals of Speech	MATH 268-4	Calculus & Analytical Geometry III
MATH 166-5	Calculus & Analytical Geometry I	MATH 269-3	Differential Equations
ECON 206-3	Principles of Economics	PHYS 201-5	University Physics I
PHLE 120-3	Ethics	PHYS 202-5	University Physics II
Elective-3	Social Science	*PHYS 210-3	Electrical Circuit Analysis
Elective-3	Humanities/Fine Arts	PSCI 203-3	Statics
CHEM 111-5	Chemistry I: Inorganic Chemistry	PSCI 204-3	Dynamics
GEDR 103-3	General Engineering Drawing	*PSCI 205-3	Mechanics of Materials
			<i>*Recommended Courses</i>
Southern Illinois University Carbondale Courses Capstone Option			
BS Mechanical Engineering (ME) – 61-67 hours			
Elective-3	Multicultural	ME 312-3	Materials Science Fundamentals
BIOL 202-2	Human Genetics & Health	ME 336-3	System Dynamics & Control
CHEM 210-3	General & Inorganic Chemistry	ME 401-1	Thermal Measurements Lab
ME 222-2	MATLAB for ME	ME 407-2	Measurements & Instrumentation
ENGR 351-3	Numerical Methods in Engineering	ME 411-3	Manufacturing Methods Engr Materials
ENGR 370A	Fluid Mechanics	ME 475-3	Machine Design I
ME 300-3	Engineering Thermodynamics I	ME 495A-3	Mechanical Engineering Design
ME 302-3	Engineering Heat Transfer	ME 495B-3	Mechanical Engineering Design
ME 309-3	Mechanical Analysis & Design	ME Electives-15	12 ME at 400 level; 3 of IMAE 470A or 400-level course for Math minor
Total Hours to Bachelor Degree: 131 Hours			

Questions? Contact Us!

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

Possible Careers: Mechanical Design Engineer
Robotics Engineer
Process Engineer
Aerospace Engineer
Engine Design
Automation Engineer
Materials Research Engineer
Energy Engineer

Kaskaskia College
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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, [must attend an eligible community college](#), and [must select a participating SIU major](#). 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.