

TRANSFER GUIDE

AES Chemical Engineering transferring into BS Biomedical Engineering

John A Logan College Courses			
AES Chemical Engineering – 68 hours			
ORI 100/SCI 100-1	College 101/STEM Fundamentals	CHM 152-5	Chemical Principles w/Qual Analysis
ENG 101-3	English Composition I	CHM 201-5	Organic Chemistry I
ENG 102-3	English Composition II	CHM 202-5	Organic Chemistry II
ECO 201-3	Intro to Macroeconomics	CPS 206-4	Computer Science I
ECO 202-3	Intro to Microeconomics	MAT 201-5	Calculus II
MAT 131-5	Calculus I	MAT 202-4	Calculus III
BIO 101-4	Biological Science 1	MAT 205-3	Differential Equations
PHY 205-5	University Physics I	PHY 206-5	University Physics II
CHM 151-5	Chemical Principles		
Southern Illinois University Carbondale Courses Capstone Option			
BS Biomedical Engineering (BME) – 79 hours			
CMST 101-3	Intro Oral Communication	BME 338,338L-4	Biomedical Measurements w/Lab
Elective-3	Humanities	BME 351-3	Probability & Stat Analysis Engineers
Elective-3	Fine Arts	BME 355L-1	BME Signals & Systems Lab
PHSL 201-3	Human Physiology	BME 438-3	Medical Instrumentation: App & Design
Elective-3	Multicultural	BME 495A-3	BME Senior Design I
BME 101-3	Intro to Biomedical Engineering	BME 495B-3	BME Senior Design II
BME 296,296L-4	Intro Microcntrlr & Robotics w/Lab	ECE 235,235L-4	Electric Circuits I w/Lab
BME 336-3	Biomechanics	ECE 355-3	Signals & Systems
BME 337-3	Bioelectricity	Tech Elect-27	Select from list of approved courses
Total Hours to Bachelor Degree: 147 Hours			

Questions? Contact Us!

John A Logan College

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Southern Illinois University Carbondale

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Salary Range: \$41,950-\$91,410

Possible Careers: Bioinstrumentation Engineer
Rehabilitation Engineer
Biological Engineer
Biomedical Devices Engineer
Biomedical Researcher
Clinical Patient Evaluator
Prosthetics/Biomechanics Engineer
Telehealth Support Engineer



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.