



TRANSFER GUIDE

AS Engineering Technology transferring to BS Biomedical Engineering

Rend Lake College Courses			
AS Engineering Technology – 64 hours			
ENGL 1101-3	Rhetoric & Composition I	Elective-3	IAI Fine Arts
ENGL 1102-3	Rhetoric & Composition II	HEA 1101-2	Health Education
COMM 1101-3	Principles of Effective Speaking	MATH 2122-5	Calculus & Analytic Geometry II
MATH 1121-5	Calculus & Analytic Geometry I	MATH 2123-4	Calculus & Analytic Geometry III
ECON 2101/2102-3	Prin of Economics I/II	MATH 2130-3	Differential Equations
Elective-3	IAI Social & Behavioral Sciences*	PHY 1103-5	University Physics I
PHIL 2101/2104-3	Logic/Ethics	PHY 1104-5	University Physics II
CHE 1103-5	Inorganic Chemistry	ENGG 1101-4	Engineering Graphics
BIO 1101-5	College Biology		
Southern Illinois University Carbondale Courses			
BS Biomedical Engineering (BME) – 70 hours			
PHSL 201-3	Human Physiology	BME 438-3	Medical Instrumentation: App & Desn
BME 101-3	Intro to Biomedical Engineering	BME 495A-3	BME Senior Design I
BME 296,296L-4	Intro Microcont & Robotics w/Lab	BME 495B-3	BME Senior Design II
BME 336-3	Biomechanics	ECE 222-3	Intro to Digital Computation
BME 337-3	Bioelectricity	ECE 235,235L-4	Electric Circuits I w/lab
BME 338,338L-4	Biomedical Instruments w/Lab	ECE 355-3	Signals & Systems
BME 351-3	Probability & Statistics	Tech Electives-27	Select from list of approved courses
BME 355L-1	BME Signals & Systems Lab		
Total Hours to Bachelor Degree: 134 Hours			

***Work with RLC Advisor to meet Multiculturalism requirement. Questions? Contact Us!**

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

Rend Lake 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.