



TRANSFER GUIDE

AS Engineering Technology transferring to BS Electrical Engineering

Rend Lake College Courses			
AS Engineering Technology – 65 hours			
ENGL 1101-3	Rhetoric & Composition I	Elective-3	IAI Fine Arts
ENGL 1102-3	Rhetoric & Composition II	MATH 2122-5	Calculus & Analytical Geom II
COMM 1101-3	Principles of Effective Speaking	MATH 2123-4	Calculus & Analytical Geom III
MATH 1121-5	Calculus & Analytical Geom I	MATH 2130-3	Differential Equations
ECON 2101/2102-3	Principles of Economics I/II	ENGG 1101-4	Engineering Graphics
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	PHY 2121-4	Electrical Engineering Circuits
Elective-4	IAI Life Science w/Lab		
Southern Illinois University Carbondale Courses			
BS Electrical Engineering (EE) – 68 hours			
BIOL 202-2	Human Genetics & Human Health	ECE 375-3	Intro to Electromagnetic Fields
ECE 222-3	Intro to Digital Computation	ECE 385,385L-4	Electromch Enrg Conv Pwr Sys w/Lab
ECE 296,296L-4	Intro Microcont & Robotics w/Lab	ECE 495E-3	EE Senior Design I
ECE 315-4	Math Methods in ECE	ECE 495D-3	ECE Senior Design II
ECE 327,327L-4	Digital Circuit Design HDL w/Lab	General Elec-6	Select from list of approved courses
ECE 345,345L-4	Electronics w/Lab	ECE Tech Elec-24	Select from list of approved courses
ECE 355,355L-4	Signals & Systems w/Lab		
Total Hours to Bachelor Degree: 133 Hours			

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

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

Possible Careers: Aerospace Systems Engineer
Automotive Systems Engineer
Biomedical Devices Engineer
Control Systems Engineer
Cyber Systems Engineer
Electronics and Sensors Engineer
Electric and Hybrid Vehicles Engineer
Electromagnetics, Radars, Antennas Engineer
Mechatronics Engineer
Optics and Photonics Engineer
Power Systems Engineer
Research & Development Engineer
Robotics Engineer
Semiconductor/VLSI Engineer
Telecommunications Engineer

Rend Lake College

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Southern Illinois University Carbondale

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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 attempted to be kept 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, [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.