

TRANSFER GUIDE

AES Electrical Engineering transferring into BS Electrical Engineering

John A Logan College Courses			
AES Electrical Engineering – 70 hours			
ORI/SCI 100-1	College 101/STEM Fundamentals	Elective-3	IAI Fine Arts
ENG 101-3	English Composition I	Elective-3	IAI Elective
ENG 102-3	English Composition II	CPS 206-4	Computer Science I
COM 115-3	Speech	1 Course-3	EGR 101 or Elective
MAT 131-5	Calculus I	MAT 201-5	Calculus II
Elective-3	IAI Social Science	MAT 202-3	Calculus III
Elective-3	IAI Social Science	MAT 205-3	Differential Equations
Elective-3	IAI Humanities	PHY 205-5	University Physics I
CHM 151-5	Chemical Principles	PHY 206-5	University Physics II
Elective-3	IAI Life Science	PHY 224-4	Intro to Circuit Analysis w/Lab
Southern Illinois University Carbondale Courses Capstone Option			
BS Electrical Engineering (EE) – 59 hours			
BIOL 202-2	Human Genetics & Human Health	ECE 355,355L-4	Signals & Systems w/Lab
ECE 296,296L-4	Intro Microcont & Robotics w/Lab	ECE 375-3	Intro to Electromagnetic Fields
ECE 315-4	Mathematical Methods in ECE	ECE 495E-3	EE Senior Design I
ECE 327,327L-4	Digital Circuit Design w/HDL w/Lab	ECE 495D-3	ECE Senior Design II
ECE 336-3	Electric Circuits II	ECE Tech Elec-25	Select from list of approved courses
ECE 345,345L-4	Electronics w/Lab		
Total Hours to Bachelor Degree: 129 Hours			

Questions? Contact Us!

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

Possible Careers: Aerospace Engineer
Automotive Engineer
Biomedical Engineer
Controls Systems Engineer
Cyber Systems Engineer
Defense Systems Engineer
Electronics Engineer
Electromagnetics Engineer
Power Systems Engineer
Research & Development Engineer
Robotics Engineer
Semiconductor/VLSI Engineer
Signal Processing Engineer
Telecommunications Engineer

John A Logan College
Emily Monti, M.Ed.
Manager of Curriculum & Instruction
P: 618-985-3741 extension 8514
E: emilymonti@jalc.edu

Southern Illinois University Carbondale
Dr. Spyros Tragoudas, Director
School of Electrical, Computer, & Biomedical Engineering
P: 618-453-7027
E: spyros@engr.siu.edu



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.