

TRANSFER GUIDE

AES Pre-Engineering transferring into BS Electrical Engineering

Kaskaskia College Courses			
AES Pre-Engineering – 65 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	PHLE 119-1	Core Values & Ethical Decision Making
Elective-3	Social Science Elective	PHYS 201-5	University Physics I
Elective-3	Humanities Elective	PHYS 202-5	University Physics II
Elective-3	Humanities Elective	PSCI 203-3	Statics
CHEM 111-5	Chemistry I (Inorganic Chemistry)	PSCI 204-3	Dynamics
GEDR 103-3	General Engineering Drawing		
Southern Illinois University Carbondale Courses Capstone Option			
BS Electrical Engineering (EE) – 70 hours			
Elective-3	Multicultural Elective	ECE 355/355L-4	Signals & Systems w/Lab
ECE 235/235L-4	Electric Circuits I w/Lab	ECE 356/356L-4	Systems & Control w/Lab
ECE 296/296L-4	Intro Software Tool/Robot w/Lab	ECE 375/375L-4	Intro to Electromagnetic Fields w/Lab
ECE 315-4	Mathematical Methods in ECE	ECE 385/385L-4	Electromechanical Energy Conver w/Lab
ECE 327/327L-4	Digital Circuit Design w/HDL w/Lab	ECE 495E-3	Electrical Engineering Senior Design I
ECE 336-3	Electric Circuits II	ECE 495D-3	Electrical/Computer Engr Senior Design II
ECE 345/345L-4	Electronics w/Lab	Appr Tech Elec-22	At least 16 hrs of ECE electives
Total Hours to Bachelor Degree: 135 Hours			

Questions? Contact Us!

Salary Range: \$61,000-\$72,000

Possible Careers: Network Engineer
Systems Engineer
Project Engineer
Design Engineer
Electronics Engineer
Power Distribution Engineer

Kaskaskia College

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Baccalaureate Degree Requirements Each candidate for a bachelor's degree must complete the requirements listed:

Hour Requirements. Each student must complete at least 120 semester hours of credit. Each student must have at least 42 hours in courses that number 300 or above from a four-year institution.

Residence Requirements. Each student must complete the residence requirement by taking the last year, which is defined as 30 uninterrupted semester hours, or a total of 90 semester hours at SIU Carbondale.

Grade Point Average Requirements. Each student must have a C average for all work taken at SIU Carbondale. Some academic programs may require a higher graduating major GPA.

Dual Admission Program

The Dual Admission Program (DAP) allows baccalaureate-oriented students at eligible community colleges to benefit from pre-advisement for a chosen major at SIU Carbondale. The DAP addresses specific departmental requirements that a student may not automatically fulfill by completing their associate degree at their community college. Students apply to the DAP by completing the Application for Undergraduate Admission and indicating interest in the DAP. Students must have at least two semesters remaining at their community college to participate, [must select a participating SIU major](#), and [must attend an eligible community college](#). Students who apply for the DAP are provided a transfer plan that will guide them to the most direct route to their bachelor's degree, along with personalized contact with an SIU representative. Dual Admission Program students receive access to enroll in an online Dual Admission Program course, which connects students early to the University, its resources, and other transfer students.

Compact Agreement

SIU has recognized the Illinois regionally accredited community college transferable baccalaureate oriented Associate of Arts or Associate of Science degrees under the Compact Agreement since 1970. SIU 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). 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.

Degree Works

Degree Works is an easy-to-use, comprehensive, online degree audit tool specifically designed for students. The audit reflects program requirements from the Undergraduate Catalog measured against registration and transfer work to guide the degree audit function as it applies to the individual student. Once admitted to SIU Carbondale, you can run a Degree Works degree audit against your academic record by searching "Degree Works" in [SalukiNet](#).