



TRANSFER GUIDE

AES Engineering Science transferring into BS Biomedical Engineering

Harper College Courses			
AES Engineering Science – 62 hours			
ENG 101-3	Composition	MTH 212-3	Differential Equations
ENG 102-3	Composition	PHY 201-5	General Physics I: Mechanics
Elective-3	IAI Social Science*	PHY 202-5	General Physics II
Elective-3	IAI Humanities*	CSC 121-4	Computer Science I
CHM 121-5	General Chemistry I	CSC 214-4	Java Programming
MTH 200-5	Calculus & Analytic Geometry I	EGR 265-4	Circuit Analysis
MTH 201-5	Calculus & Analytic Geometry II	Engr Sp Electives-5	Select from list of approved courses
MTH 202-5	Calculus & Analytic Geometry III		
Southern Illinois University Carbondale Courses Capstone Option			
BS Biomedical Engineering (BME) – 79 hours			
CMST 101-3	Intro to Oral Communication	BME 337-3	Bioelectricity
PHSL 201-3	Human Physiology	BME 338,338L-4	Biomedical Instruments w/Lab
Elective-3	Social Science	BME 351-3	Probability & Statistics
Elective-3	Fine Arts	BME 355L-1	BME Signals & Systems Lab
BIOL 211-4	Intro to Cell Biology & Genetics	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 Microcontrollers Robotics w/Lab	ECE 355-3	Signals & Systems
BME 336-3	Biomechanics	Tech Electives-27	Select from list of approved courses
Total Hours to Bachelor Degree: 141 Hours			

*One course must satisfy a World Cultures & Diversity requirement **Questions? Contact Us!**

Harper College
 Sean Warren-Crouch, Ph.D.
 Transfer Programs Manager
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Salary Range: \$41,950-\$91,410

Possible Careers: Bioinstrumentation Engineer
 Rehabilitation Engineer
 Biomedical Researcher
 Clinical Patient Evaluator

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

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 assumed 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. 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.