

TRANSFER GUIDE

Associate in Engineering Science transferring into BS Computer Engineering

McHenry County College Courses			
Associate in Engineering Science – 62 hours			
ENG 151-3	Composition I	CSC 121-4	Computer Science I
ENG 152-3	Composition II	MAT 245-5	Calculus & Analytical Geometry II
MAT 175-5	Calculus & Analytical Geometry I	MAT 255-4	Calculus & Analytical Geometry III
CHEM 165-5	General Chemistry I	MAT 260-3	Differential Equations
CHEM 166-5	General Chemistry II	PHY 291-4	Principles of Physics I
Gen Ed-3	IAI Social/Behavioral Science	PHY 292-4	Principles of Physics II
Gen Ed-3	IAI Humanities/Fine Arts	PHY 293-4	Principle of Physics III
Gen Ed-3	Non-Western Cultures w/in the U.S.	EGR 260-4	Electrical Circuit Analysis
Southern Illinois University Carbondale Courses			
BS Computer Engineering (CEGR) – 74 hours			
CMST 101-3	*Intro to Oral Communication	ECE 327/327-4	Digital Circuit Design with HDL/Lab
Elective-3	*Social Science	ECE 329/329L-4	Computer Organization & Design/Lab
Elective-3	*Fine Arts/Humanities	ECE 345/345L-4	Electronics/Lab
BIOL 202-2	Human Genetics and Human Health	ECE 355/355L-4	Signals & Systems/Lab
ECE 222-3	Introduction to Digital Computation	ECE 495C-3	ECE Senior Design I
ECE 296/296L-4	Software Tools for Engineers/Lab	ECE 495D-3	ECE Senior Design II
ECE 315-4	Mathematical Methods in ECE	ECE Technical Electives-3	ECE 3XX or 4XX level (except ECE 392, 492 & 493)
ECE 321/321L-4	Intro Software Engineering/Lab	General Technical Electives-6	Approved General technical electives: ECE 3XX or 4XX level (except ECE 493)

*Courses may be taken at MCC. Consult your academic advisor.

Salary Range: \$60,000-\$180,000

Possible Careers: Aerospace Engineer
Biomedical Engineer
Cyber/Defense Systems Engineer
Cybersecurity Consultant
Flight Systems Engineer
Satellite Systems Engineer
Semiconductor Engineer
Software Systems Developer

Questions? Contact Us!

McHenry County College

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Southern Illinois University Carbondale

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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. 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.