

TRANSFER GUIDE

AS Physics transferring into BS Physics General Physics

Sauk Valley Community College Courses			
AS Physics – 64 hours			
FYE 101-1	First Year Experience	Elective-3	Life Science
ENG 101-3	Composition I	Course-3	Personal Development
ENG 103-3	Composition II	CHE 106-5	General Chemistry II
COM 131-3	Intro to Oral Communication	MAT 204-4	Calculus & Analytic Geometry II
MAT 203-4	Calculus & Analytic Geometry I	MAT 205-4	Calculus & Analytic Geometry III
Course-3	Social/Behavioral Science	MAT 211-3	Differential Equations
Course-3	Social/Behavioral Science	PHY 211-5	Engineering Physics I
Course-3	Fine Arts	PHY 212-5	Engineering Physics II
CHE 105-5	General Chemistry I	Elective-1	
Course-3	Humanities		
Southern Illinois University Carbondale Courses			
BS Physics (PHYS) General Physics Specialization - 56 hours			
MATH 221-3	Intro to Linear Algebra	PHYS 430-3	Quantum Mechanics I
1 Course-3	MATH 405, 406, 407, 409, 450, 455 or 475	PHYS 440-3	Quantum Mechanics II
PHYS 100-1	Undergraduate Seminar	PHYS 445-3	Thermodynamics & Stat Mechanics
PHYS 301-3	Theoretical Methods	PHYS 450-3	Advanced Lab Techniques
PHYS 305,355-4	Modern Physics w/Lab	Support Skls-3	CS 201 or 202, 280, 300, ENGL 290 or 291 or 391; MATH 282 or 483
PHYS 310-3	Mechanics	PHYS Electives-17	11 hours @ 300/400 level
PHYS 320-3	Electricity & Magnetism I	General Elective-1	
PHYS 420-3	Electricity & Magnetism II		
Total Hours to Bachelor Degree: 120 Hours			

Questions? Contact Us!

Salary Range: \$30,000 - \$75,000

Possible Careers: Materials Processing Engineer
Optical Physicist/Engineer
Laser Physicist/Engineer
Imaging Scientist

Possible Graduate Studies: Astronomy
Physics/Applied Physics
Biomedical Engineering
Electrical/Computer Engineering

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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.