

## TRANSFER GUIDE

### Associate in Engineering Science transferring into BS Mechanical Engineering

City Colleges of Chicago Courses			
Associate in Engineering Science– 67 hours			
ENGLISH 101-3	Composition I	CHEM 201-5	General Chemistry I
ENGLISH 102-3	Composition II	CHEM 203-5	General Chemistry II
ECON 202-3	Principles of Economics II	PHYSICS 215-3	Statics
Elective-3	Fine Arts/Humanities	PHYSICS 216-3	Dynamics
MATH 207-5	Calculus & Analytical Geometry I	PHYSICS 217-3	Mechanics of Materials
MATH 208-5	Calculus & Analytical Geometry II	PHYSICS 235-5	Engineering Physics I
MATH 209-5	Calculus & Analytical Geometry III	PHYSICS 236-5	Engineering Physics II
MATH 210-3	Differential Equations	PHYSICS 237-5	Engineering Physics III
ENGR 190-3	Computer Apps in Engineering		
Southern Illinois University Carbondale Courses			
BS Mechanical Engineering – 70 hours			
CMST 101-3	Intro to Oral Communication	ME 312-3	Materials Science Fundamentals
Elective-3	Social Science	ME 336-3	System Dynamics and Control
Elective-3	Fine Arts	ME 400-3	Engineering Thermodynamics II
Elective-3	Multicultural	ME 401-1	Thermal Measurements Lab
BIOL 202-2	Human Genetics & Human Health	ME 407-2	Measurements & Controls
ME 102-2	Computer Aided Drawing	ME 411-3	Mfg Methods: Engineering Materials
ENGR 335-3	Electric Circuits	ME 472-3	Materials Selection for Design
ENGR 351-3	Numerical Methods	ME 475-3	Machine Design I
ENGR 370A-3	Fluid Mechanics	ME 495A-3	Mechanical Engineering Design
ME 300-3	Engineering Thermodynamics	ME 495B-3	Mechanical Engineering Design
ME 302-3	Engineering Heat Transfer	ME Electives-3	Select any 300/400 level ME courses
ME 309-3	Mechanical Analysis & Design		
Total Hours to Bachelor Degree: 137 Hours			

**Salary Range:** \$50,000-\$130,000

**Possible Careers:** Mechanical Design Engineer  
Robotics Engineer  
Process Engineer  
Power Systems Engineer  
Mechanical Research & Development Engineer  
Mechanical Analysis & Structural Engineer  
Auto Research Engineers

### Questions? Contact Us!

#### City Colleges of Chicago

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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.** 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](#).