

## TRANSFER GUIDE

### AAS Comp Aided Design & Drafting transferring into BS Industrial Mgmt & Applied Engineering

Joliet Junior College Courses			
AAS Computer Aided Design & Drafting – 67 hours			
ENG 101-3	Rhetoric	CIS 126-3	Microsoft Office
MATH 139-4	Pre-Calculus II: Trigonometry	EEAS 101-4	Basic Wiring and Circuit Design
PHYS 101-5	General Physics I	EGR 101-4	Engineering Graphical Communications
Elective-3	Social/Behavioral Science	EGR 102-4	Engineering Graphics
AEC 207-3	Structural Planning and Analysis	ENG 130-3	Technical Writing and Communication
CADD 101-3	2D Comp Aided Design & Drafting I	MFG 101-4	Precision Machine Technology I
CADD 110-3	2D Comp Aided Design & Drafting II	MFG 200-3	Advanced Blueprint Reading/GD&T
CADD 120-3	3D Comp Aided Design & Drafting I	CADD Electives-6	Select from any CADD courses
CADD 250-3	CREO Parametric 3D Solid Modeling	Tech Electives-3	Select from AEC, CADD, CIS & MFG courses
CADD 270-3	Solidworks - Parametric 3D Modeling		
Southern Illinois University Carbondale Courses			
BS Industrial Management & Applied Engineering – 67 hours			
CMST 101-3	Introduction to Oral Communication	IMAE 376-3	Supply Chain Operations & Logistics
Elective-3	Social Science	IMAE 390-3	Cost Estimating
Elective-3	Humanities	IMAE 392-3	Facilities Planning & Workplace Design
Elective-3	Life Science	IMAE 442-3	Fundamentals of Leadership
Elective-3	Fine Arts	IMAE 445-3	Computer Integrated Manufacturing
Elective-3	Multicultural	IMAE 450-3	Project Management
PHYS 203/253B-4	College Physics/Lab	IMAE 465-3	Lean Manufacturing
IMAE 208-3	Fundamentals of Mfg Processes	IMAE 470A-3	Six Sigma Green Belt I
IMAE 305-3	Industrial Safety	IMAE 470B-3	Six Sigma Green Belt II
IMAE 307-3	Applied Calculus for Technology	IMAE 476-3	Supply Chain Design & Strategy
IMAE 340-3	Introduction to Supervision	IMAE Elective-3	300/400 level IMAE course
<b>Total Hours to Bachelor Degree: 134</b>			

### Questions? Contact Us!

#### Joliet Junior College

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#### Southern Illinois University Carbondale

Dr. Julie Dunston, Chair  
Department of Technology  
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**Salary Range:** \$50,000-\$70,000

**Possible Careers:** Production Manager  
Manufacturing Engineer  
Quality Engineer  
Plant Manager  
Project Engineer

## 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](#).