

TRANSFER GUIDE

AAS Operations Technician transferring into BS Industrial Mgmt & Applied Engineering

Joliet Junior College Courses			
AAS Operations Technician – 63 hours			
ENG 101-3	Rhetoric	EEAS 221-4	Industrial Circuits - Basic PLCs
MATH 138-4	Pre-Calculus I: Algebra	IMT 101-3	Industrial Maintenance Fundamentals
PHYS 103-4	Technical Physics	IMT 111-3	Mechanical Power Transmission
Elective-3	Social/Behavioral Science	IMT 112-3	Rotating Equipment
EEAS 101-4	Basic Wiring & Circuit Design	IMT 121-3	Industrial Fluid Power
EEAS 111-4	Industrial Controls I	MFG 101-4	Precision Machine Tool Technology I
EEAS 113-4	Industrial Controls II	OET 101-4	Intro to Industrial Plant
EEAS 115-4	Electrical/Electronics Troubleshooting	OET 291-1	Operations Career Development
EEAS 215-4	Process Control & Instrumentation	OET 295-4	OET Internship
Southern Illinois University Carbondale Courses			
BS Industrial Management & Applied Engineering – 70 hours			
Elective-3	Social Science	CMST 101-3	Intro to Oral Communication
Elective-3	Humanities	IMAE 376-3	Supply Chain Operations & Logistics
Elective-3	Life Science	IMAE 390-3	Cost Estimating
Elective-3	Fine Arts	IMAE 392-3	Facilities Planning & Workplace Design
Elective-3	Multicultural	IMAE 442-3	Fundamentals of Leadership
PHYS 203/253B-4	College Physics/Lab	IMAE 445-3	Computer Integrated Manufacturing
IMAE 110-3	Geom Dimensioning & Tolerancing	IMAE 450-3	Project Management
IMAE 208-3	Fundamentals of Mfg Processes	IMAE 465-3	Lean Manufacturing
IMAE 305-3	Industrial Safety	IMAE 470A-3	Six Sigma Green Belt I
IMAE 307-3 or MATH 140-4	Applied Calculus for Technology or Short course in Calculus	IMAE 470B-3	Six Sigma Green Belt II
IMAE 340-3 or PSYC 323-3	Introduction to Supervision or Organizational Psychology	IMAE 476-3	Supply Chain Design & Strategy
		IMAE Elective-3	300/400 level IMAE course
Total Hours to Bachelor Degree: 133			

Questions? Contact Us!

Salary Range: \$50,000-\$70,000

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

Joliet Junior College

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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. 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](#).