

## TRANSFER GUIDE

### AAS CNC Programming transferring into BS Industrial Management & Applied Engineering

College of Lake County Courses			
AAS Computerized Numerical Control Programming – 64 to 65 hours			
CMM 111-3	Communication Skills	CNC 216-3	Advanced Lathe Programming
ENG 121-3	English Composition I	CNC 217-3 or	Intro to Wire EDM Machining or
ECO 110-3	Econ for Business & Industry	EWE 220-4	Cooperative Work Experience I
Elective-3	Social Science	CNC 218-3	Introduction to Master CAM
Elective-3	Humanities/Fine Arts	CNC 250-3	Advanced Manufacturing
CAD 117-3	Intro to AutoCad	EGR 121-3	Engineering Graphics
CAD 170, 171 or 176-3	Intro SolidWorks, Intro Inventor or Intro Creo	MTH 115-3	Applied Mathematics II
		MTH 117-3	Technical Math I
CNC 110-3	CNC Operations I	MTT 111-3 or	Machine Shop I or
CNC 111-1	Geom Dimensioning & Tolerancing	MTT 112-3	Machining Principles
CNC 115-3	CNC Programming I	MTT 211-3	Jig and Fixture Design
CNC 215-3	Advanced Mill Programming	Technical Electives-6	Choose from approved courses
Southern Illinois University Carbondale Courses			
BS Industrial Management & Applied Engineering – 68 hours			
MATH 108-3	College Algebra	IMAE 376-3	Supply Chain Ops & 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 203/253A-4	College Physics/Lab	IMAE 445-3	Computer-Aided Manufacturing
PHYS 203/253B-4	College Physics/Lab	IMAE 450-3	Project Management
IMAE 110-3	Geom Dimensioning & Tolerancing	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 Tech	IMAE 476-3	Supply Chain Design & Strategy
IMAE 340-3 or	Intro to Supervision or	IMAE Elective-3	Must be at 300/400 level
PSYC 323-3	Organizational Psychology		
<b>Total Hours to Bachelor Degree: 132 to 133</b>			

### Questions? Contact Us!

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

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

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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](#).