



# TRANSFER GUIDE

AAS Manufacturing Technology-Mechatronics Automation Transferring into BS Industrial Management & Applied Engineering

Harper College Courses			
AAS Manufacturing Technology – Mechatronics Automation – 60 hours			
ENG 101-3	Composition	ELT 144-2	AC & DC Motors
SPE 101-3	Fund of Speech Communication	ELT 145-2	Variable Frequency Drives
MTH 103-3	College Algebra	ELT 215-4	Industrial Control Systems
Elective-3	IAI Humanities*	ELT 240-4	Advanced Program Logic Controllers
Elective-3	IAI Fine Arts*	MFT 102-4	Intro to Manufacturing & Safety
ELT 110-4	Introductory Electronics	MFT 104-2	Quality & Measurement
ELT 120-2	Intro Industrial Electronics Maint	MFT 108-3	Manufacturing Processes
ELT 135-2	Optics & Sensors	MFT 109-2	Intro to Manufacturing Maintenance
ELT 140-2	Intro to Program Logic Controllers	MFT 119-2	Manufacturing Internship
ELT 143-2	Commercial Wiring	Tech Electives-8	
Southern Illinois University Carbondale Courses Capstone Option			
BS Industrial Management & Applied Engineering (IMAE) – 65 hours			
Elective-3	Social Science	IMAE 390-3	Cost Estimating
Elective-3	Social Science	IMAE 392-3	Facilities Planning Workplace Design
PHYS 203A,253A-4	College Physics w/Lab	IMAE 442-3	Fundamentals of Leadership
Elective-3	Life Science	IMAE 445-3	Computer Integrated Manufacturing
Elective-3	Multicultural	IMAE 450-3	Project Management
PHYS 203B,253B-4	College Physics w/Lab	IMAE 465-3	Lean Manufacturing
IMAE 110-3	Geom Dimensioning & Tolerancing	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 Calc for Tech	IMAE 476-3	Supply Chain Management
IMAE 340-3	Intro to Supervision	IMAE Elective-3	300/400 level
IMAE 375-3	Production & Inventory Mgmt		
Total Hours to Bachelor Degree: 125 hours			

\*One course must satisfy a World Cultures & Diversity requirement

## Questions? Contact Us!

### Harper College

Sean Warren-Crouch, Ph.D.

Transfer Programs Manager

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### Southern Illinois University Carbondale

Dr. Julie Dunston, Director

School of Applied Engineering & Technology

P: 618-536-3396/E: [dunston@siu.edu](mailto:dunston@siu.edu)

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

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

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 attempted to be kept 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.** 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](mailto: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.