



## TRANSFER GUIDE

### AAS Welding Technology transferring into BS Industrial Management & Applied Engineering

Southwestern Illinois College Courses			
AAS Welding Technology – 65 hours			
ENG 101-3	Rhetoric & Composition I	WLDT 152-5	All Position Arc Welding
MATH 112-4	College Algebra	WLDT 201-6	Advanced Arc Welding
HES 152-2	First Aid Medical Self Help	WLDT 251 -or- WLDT 252-4	Structural Fabrication Welding -or- Pipe Welding
Elective-3	Social Science		
Elective-3	Human Relations	WLDT 253-4	GTAW/GMAW/FCAW/PAC
WLDT 100-0.5	Welding Tech Orientation	WLDT 254 -or- WLDT 256-3	Tstg & Insp of Welds -or- Qual&Cert Proc Weld Insp
WLDT 101-5	Intro to Welding		
WLDT 102-4.5	Principles of Welding	WLDT 255-3	Layout & Fitup for Welders
WLDT 106-3	Weld Fabrication Blueprint Rdg	WLDT 260-5	Welding Automation
WLDT 107-2	Advanced Blueprint Reading	WLDT 270-5	Robotic Welding & CNC Cutting
Southern Illinois University Carbondale Courses			
BS Industrial Management and Applied Engineering – 74-75 hours			
Elective-3	Social Science	IMAE 340 -or- PSYC 323-3	Intro to Supervision -or- Organizational Psych
Elective-3	Fine Arts		
Elective-3	Multicultural	IMAE 375-3	Production and Inventory Mgmt
Elective-3	Life Science	IMAE 390-3	Cost Estimating
CMST 101-3	Intro:Oral Communication	IMAE 392-3	Facilities Planning/Workplace Design
PHYS 203A/253A-4	College Physics/Lab	IMAE 442-3	Fundamentals of Leadership
PHYS 203B/253B-4	College Physics/Lab	IMAE 445-3	Computer-Aided Manufacturing
IMAE 110-3	Geometric Dimension/Tolerance	IMAE 450-3	Project Management
IMAE 208-3	Fund of Manufacturing Processes	IMAE 465-3	Lean Manufacturing
IMAE 305-3	Industrial Safety	IMAE 470A-3	Six Sigma Green Belt I
IMAE 307 -or- MATH 140-3	Applied Calc for Tech -or- Short Course in Calc	IMAE 470B-3	Six Sigma Green Belt II
		IMAE 476-3	Supply Chain Design & Strategy
		IMAE Electives-6	300/400 Level
Total Hours to Bachelor Degree: 139-140 Hours			

### Questions? Contact Us!

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

**Possible Careers:** Production Manager  
Quality Ctrl Supervisor  
Manufacturing Engineer  
Industrial Designer  
Facilities Manager  
Plant Manager  
Cost Estimator

#### Southwestern Illinois College

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#### Southern Illinois University Carbondale

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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 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.