

TRANSFER GUIDE

AAS Welding Technology transferring to BS Industrial Management & Applied Engineering

John A Logan College Courses			
AAS Welding Technology – 64 hours			
ORI 100-1	College 101	WEL 115-2	Metallurgy
COM 115-3	Speech	WEL 120-3	OXYFUEL Welding, Cutting, Brazing
ENG 101-3	English Composition I	WEL 121-3	SMAW (STICK) Plate Welding I
MAT 108-4	College Algebra	WEL 122-3	BMAW (MIG) Plate Welding
Elective-3	IAI Social & Behavioral Science	WEL 123-3	SMAW (STICK) Plate Welding II
Elective-3	IAI Humanities/Fine Arts	WEL 124-3	GTAW (TIG) Plate Welding I
CMG 107-3	Constr. Doc. Interpretation	WEL 125-3	Weld Testing & Inspection
DRT 185-2	Computer Graphics I	WEL 126-3	SMAW (STICK) Welding III
IDM 210-3	Hydraulics & Pneumatics	WEL 127-3	Welding & Metal Fabrication
MAC 180-3	Blueprint Reading	WEL 128-3	Pipe Welding
MAC 200-4	Machine Tool Lab	WEL 129-3	GTAW (TIG) Welding II
Southern Illinois University Carbondale Courses Capstone Option			
BS Industrial Management & Applied Engineering (IMAE) – 68 hours			
Elective-3	Social Science	IMAE 375-3	Production & Inventory Mgmt
PHYS 203A,253A-4	College Physics w/Lab	IMAE 390-3	Cost Estimating
Elective-3	Life Science	IMAE 392-3	Facilities Plan & Workplace Design
Elective-3	Fine Arts	IMAE 442-3	Fundamentals of Leadership
Elective-3	Multicultural	IMAE 445-3	Computer Integrated Manufacturing
PHYS 203B,253B-4	College Physics w/Lab	IMAE 450-3	Project Management
IMAE 110-3	Geometric Dimension Tolerancing	IMAE 465-3	Lean Manufacturing
IMAE 208-3	Fund of Manufacturing 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 Calc for Tech	IMAE 476-3	Supply Chain Management
IMAE 340-3	Intro to Supervision	IMAE Elective-3	300/400 level
Total Hours to Bachelor Degree: 132 hours			

Questions? Contact Us!

John A Logan College

Emily Monti, M.Ed.
 Manager of Curriculum & Instruction
 P: 618-985-3741 extension 8514
 E: emilymonti@jalc.edu

Southern Illinois University Carbondale

Dr. Julie Dunston, Director
 School of Applied Engineering & Technology
 P: 618-536-3396
 E: dunston@siu.edu

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. 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.

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.

PROGRAM ARTICULATION DEGREE PLAN				
John A. Logan College	2024-2025		Southern Illinois University Carbondale	
AAS Welding Technology - 64 hrs			BS Industrial Management & Applied Engineering (IMAE) - 120 hrs	
			University Core Curriculum (UCC) Capstone Option - 30 hrs	
		Hrs		Hrs
COM 115	Speech	3	UNIV 101	Saluki Success
ENG 101	English Composition I	3	CMST 101	Intro to Oral Communication
			ENGL 101	English Composition I
			ENGL 102	English Composition II
MAT 108	College Algebra	4	MATH 108	College Algebra
	IAI Social & Behavioral Science	3	SOCIAL SCIENCE	
			See SIUC Transfer Equivalency Guide	
			SOCIAL SCIENCE	
	IAI Humanities/Fine Arts	3	HUMANITIES	
			See SIUC Transfer Equivalency Guide	
			HUMANITIES	
			PHYS 203A -and- 253A	College Physics w/Lab
			LIFE SCIENCE	
			FINE ARTS	
			HUMAN HEALTH	
			MULTICULTURAL	
		16		16
Program Requirements			Program Requirements	
CMG 107	Construction Document Interpretation	3	<p>The AAS degree in Welding Technology as articulated fulfills the 15 hours of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).</p>	
DRT 185	Computer Graphics I	2		
IDM 210	Hydraulics & Pneumatics	3		
MAC 180	Blueprint Reading	3		
MAC 200	Machine Tool Lab	4		
ORI 100	College 101	1		
WEL 115	Metallurgy	2		
WEL 120	OXYFUEL Welding, Cutting & Brazing	3		
WEL 121	SMAW (STICK) Plate Welding I	3		
WEL 122	GMAW (MIG) Plate Welding	3		
WEL 123	SMAW (STICK) Plate Welding II	3		
WEL 124	GTAW (TIG) Plate Welding I	3		
WEL 125	Weld Testing & Inspection	3		
WEL 126	SMAW (STICK) Welding III	3		
WEL 127	Welding & Metal Fabrication	3		
WEL 128	Pipe Welding	3		
WEL 129	GTAW (TIG) Welding II	3		
		48		
			PHYS 203B -and- 253B	College Physics w/Lab
			IMAE 110	Geometric Dimensioning & Tolerancing
			IMAE 208	Fundamentals of Manufacturing Processes
			IMAE 305	Industrial Safety
			IMAE 307	Applied Calc for Tech
			IMAE 340	Intro to Supervision
			IMAE 375	Production & Inventory Management
			IMAE 390	Cost Estimating
			IMAE 392	Facilities Planning & Workplace Design
			IMAE 442	Fundamentals of Leadership
			IMAE 445	Computer Integrated Manufacturing
			IMAE 450	Project Management
			IMAE 465	Lean Manufacturing
			IMAE 470A	Six Sigma Green Belt I
			IMAE 470B	Six Sigma Green Belt II
			IMAE 476	Supply Chain Management
			IMAE Elective	300/400 level
				52
Total semester hrs completed w/AAS degree:		64	Total semester hrs completed w/BS degree:	
			Total hrs to BS Degree:	
				132
<i>Degree Plan updated on 8/28/24 by SG</i>				