

## TRANSFER GUIDE

### AAS Welding Technology – Construction and Pipe Specialty transferring into BS Industrial Management and Applied Engineering

Richland Community College Courses			
AAS Welding Technology – Construction and Pipe Specialty– 69 hours			
COMM 101-3	Public Speaking	WELD 135-3	Adv Shielded Metal Arc Welding
ENGL 101-3	English Composition I	WELD 140-4	Pipe Welding
MATH 116-4	College Algebra	WELD 145-3	Welding Tools and Safety
PHYS 101-4	Intro to Physics I	WELD 190-2	Maintenance Repair Welding
Elective-3	Social Science	WELD 202-2	Welder Certification
ENGT 102-3	Blueprint Reading	WELD 208-4	Pipefitting Fundamentals
ENGT 105-3	Occupational Safety	WELD 215-4	Pipefitting Applications
WELD 100-2	Welding Fundamentals	WELD 243-4	Aluminum & Stainless Steel Welding
WELD 101-4	Shielded Metal Arc Welding	WELD 245-3	GMAW/FCAW Pipe Welding
WELD 120-3	Intrm. Shielded Metal Arc Welding	WELD 290-3 or WELD 295-3	Work Exp Practicum & Seminar or Workplace Simulation Project
WELD 125-2	Gas Metal Arc/Flux Core Arc (MIG)		
WELD 130-3	Gas Tungsten Arc Welding		
Southern Illinois University Carbondale Courses			
BS Industrial Management & Applied Engineering (IMAE) – 64-65 hours			
Elective-3	Social Science	IMAE 375-3	Production & Inventory Mgmt
Elective-3	Humanities	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 203B/253B-4	College Physics/Lab	IMAE 445-3	Computer Integrated Manufacturing
IMAE 208-3	Manufacturing Processes	IMAE 450-3	Project Management
IMAE 305-3	Industrial Safety	IMAE 465-3	Lean Manufacturing
IMAE 307-3 or MATH 140-4	Applied Calculus for Technology or Short Course in Calculus	IMAE 470A-3	Six Sigma Green Belt I
		IMAE 470B-3	Six Sigma Green Belt II
IMAE 340-3 or PSYC 323-3	Intro to Supervision or Organizational Psychology	IMAE 476-3	Supply Chain Management
		IMAE Electives-6	(Must be at 300/400 level)
Total Hours to Bachelor Degree: 129-130 hours			

### Questions? Contact Us!

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

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

**Richland Community College**  
John Oliver, Dean  
Workforce Development Division  
P: 217-875-7211 ext 6239 | E: [joliver@richland.edu](mailto:joliver@richland.edu)

**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)

## 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.