

INDUSTRIAL WELDING TECHNOLOGY-MIG OPTION/ GMAW

IMPORTANT NOTE: The American Welding Society Level 1 Certificate may be of interest to you. Industrial Welding Technology-MIG Option/GMAW is currently under review. Please contact the Welcome Center (309.345.3500 or welcomecenter@sandburg.edu) or your advisor for more information.

Industrial Welding Technology-MIG Option/GMAW Certificate

This two-semester certificate is designed to provide the graduate with skills needed to enter employment in local industry with skills and knowledge that emphasizes training and the entry-level competence for MIG welding. The welding program emphasizes welding skill proficiency through lab activities and projects as learning activities. All of the courses contain essential components required for success in the industry today such as mathematics, communication, attendance, and productivity.

Long-term Benefits:

1. Increased labor pool to replace retiring workers
2. Increased selection for new hires
3. Overall increased quality of work force
4. Overall increased quality of manufacturing in western Illinois
5. Increased technical expertise of existing work force

Admission to the Program: Open

First-Time Enrollees

1. Complete an application for admission and, if desired, apply for financial aid.
2. Send an official high school transcript or GED score report to the Admissions and Records Office.
3. Complete the placement exam.
4. Meet with an advisor/counselor to select classes and complete the registration process.

DEPARTMENT OF CAREER & TECHNICAL EDUCATION

2400 Tom L. Wilson Blvd.
Galesburg, IL 61401
Phone: 309.341.3501

For Additional Information Contact:

The Welcome Center
Phone: 309.345.3500
welcomecenter@sandburg.edu

For Graduation Requirements:

See the graduation policies and procedures page for details.

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Course	Title	Semester Hours
First Year		
Fall Semester		
MAT.101	Technical Mathematics 1	3
MET.100	Metallurgy Fundamentals	2
MFG.100	Introduction to Welding	3
WEL.125	Welding Blueprints	2
WEL.160	Oxyacetylene Welding & Metal Preparation	3
WEL.162	Arc Welding Basics	3
Spring Semester		
MAT.102	Technical Mathematics 2	3
MFG.125	Industrial Blueprints	3
MFG.130	Industrial Safety	2
WEL.164	Arc Welding Advanced	3
WEL.166	Gas Shielded Arc Tig	3
Second Year		
Fall Semester		
ELT.100	Electrical Fundamentals	3
MTL.103	Manufacturing Processes	2
TQM.101	Total Quality Management	2
WEL.168	Gas Shielded Arc Mig	3
WEL.170	Applications of GMAW & FCAW	3
SPE.110 or SPE.120	Interpersonal Communication or Introduction to Public Speaking	3
Total Semester Hours		46

Bart Slye

Instructor, Welding

Ellen Burns

Dean of Career and Technical Education

The Center for Manufacturing Excellence (CME) offers classroom space, a computer lab, and houses Carl Sandburg College's welding program. The College's weld lab offers 26 bay stations. The welding area offers two welding simulators, as well as state of the art multi process welding machines.