

PIPE WELDER SPECIALIST

Certificate

<http://www.sandburg.edu/Academics/Degree-Certificates/Pipe%20Welder/index.html>

The Pipe Welder Specialist Certificate program is a two-semester program designed to provide students a hands-on specialty welding certificate that emphasizes training and the mastery of welding techniques in pipe welding. Students will specialize in ARC and TIG welding and build skill proficiencies aligned with American Welding Society Level II Welder Standards.

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 & Corporate Development

2400 Tom L. Wilson Blvd.
Galesburg, IL 61401
Phone: 309.341.5461

For Additional Information Contact:

The Welcome Center
Phone: 309.345.3500
welcomecenter@sandburg.edu

For Graduation Requirements:

See the graduation policies and procedures (http://catalog.sandburg.edu/academicinformation/#graduation_policies_and_procedures) page for details.

Certificate

Fall Start

Course	Title	Semester Hours
First Year		
Fall Semester		
WEL.160	Oxyacetylene Welding & Metal Preparation	3
WEL.162	Arc Welding Basics	3
WEL.164	Arc Welding Advanced	3
WEL.166	Gas Shielded Arc Tig	3
MTL.103	Manufacturing Processes	2
MAT.101	Technical Mathematics 1	3

Spring Semester

WEL.168	Gas Shielded Arc Mig	3
WEL.151	Introduction to Pipe Welding 1G Rolled	1.5
WEL.152	Pipe Welding 2G Horizontal	1.5
WEL.153	Pipe Welding 5G Vertical	1.5
WEL.154	Pipe Welding 6G Inclined	1.5
WEL.125	Welding Blueprints	2
MFG.130	Industrial Safety	2
ENG.101	Freshman Composition 1	3
Total Semester Hours		33

Spring Start

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First Year

Spring Semester

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WEL.164	Arc Welding Advanced	3
WEL.166	Gas Shielded Arc Tig	3
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ENG.101	Freshman Composition 1	3

Fall Semester

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WEL.153	Pipe Welding 5G Vertical	1.5
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MFG.130	Industrial Safety	2
Total Semester Hours		33

Christopher N. Banker

Dean of Career and Corporate Development

The Center for Manufacturing Excellence (CME) offers classroom space, a computer lab, and houses Carl Sandburg College's industrial programs. Students may take courses in the following subject areas: welding, Computer Numerical Control Machining (CNC), biofuels, rail, machine tool, manufacturing or electrical. The electrical lab features a host of components to aid in student learning including AC/DC trainers. In 2014, Sandburg became a designated National Academy of Railroad Sciences (NARS) training site offering courses in locomotive electrical and locomotive mechanical. Instruction is delivered by individuals with industry-specific expertise and includes specialized coursework using technical equipment. Two diesel engines inside the CME are available for training opportunities. 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. The CNC Program offers training in programming, setup, and operations while housing multiple lathe, mills, and CNC Machines as well as simulators to properly train students for a career in the machining industry.