

AMERICAN WELDING SOCIETY - LEVEL 1

American Welding Society - Level 1 Certificate

The American Welding Society certificate is designed to provide students with technical skills needed to become a level 1 certified welder. The graduate will be proficient in SMAW, GMAW, FCAW, OFC, OAW, PAC, and GTAW procedures, mathematic calculations and reading blueprints. Students receive various levels of welding proficiency after successfully completing tests which measure their welding skills.

Labor Market Need for Welders, Cutters, Solderers and Brazers:

2015 Median Pay: \$38,150 per year; \$18.34 per hour

Employment change 2014 - 2024: 14, 400 positions available

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.

Course	Title	Semester Hours
First Year		
Fall Semester		
MAT.101	Technical Mathematics 1	3
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		
WEL.164	Arc Welding Advanced	3
WEL.166	Gas Shielded Arc Tig	3
Second Year		
Fall Semester		
WEL.168	Gas Shielded Arc Mig	3

WEL.170	Applications of GMAW & FCAW	3
Spring Semester		
WEL.126	Weld Test Evaluation	3
WEL.172	Welding Applications	3
Total Semester Hours		32

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.