

Welding, Career Studies Certificate

Plan 221.995.01

Purpose

This program is designed to prepare students to work as welders in industry and to provide them with an introduction to the various types of equipment and materials used in welding. AWS, ASME and other certifications are also available.

Students enrolled in the Certificate program may apply all credits earned to the college's *anticipated* AAS degree in Technical Studies: Welding.

Program Requirements and Special Conditions

Students must maintain a 2.0 GPA.

Program Learning Outcomes

Students will be able to:

- Demonstrate proficiency in the use of welding tools.
- Safely perform welding techniques using fillers, wires, fluxes, and gases.
- Read and interpret blueprints in the welding industry.

Program Curriculum and Suggested Sequence of Courses

1st Semester	Credits	Course Details
WEL 123 Shielded Metal Arc Welding (Basic)	4	
WEL 130 Inert Gas Welding	4	
WEL 160 Gas Metal Arc Welding	4	
<i>Total Credits</i>	12	
2nd Semester	Credits	Course Details
WEL 124 Shielded Metal Arc Welding (Advanced)	4	
WEL 150 Welding Drawing and Interpretation	3	
WEL 141 Welder Qualification Tests I	4	
<i>Total Credits</i>	11	
Total Credits For Program	23	