

# INITIAL WELDING, CERTIFICATE

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**Program Code:** CC.PTWELDING

This 6-month program is designed with the part-time student in mind. This certificate introduces welding basics and prepares students for an entry-level position in welding and fabrication. Students learn about the main areas of welding, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding/Flux (GMAW), Core Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW). Course selection allows students to focus on a single welding process. Students also learn to interpret and read a blue print with welding symbols and how to effectively present themselves in a professional manner.

## Outcomes

### Program Outcomes

Upon successful completion of this program, students should be able to:

- work safely in an industrial environment around machinery, power tools, and chemicals;
- set up, operate, and make adjustments to welding equipment as necessary to demonstrate quality workmanship that meets current American Welding Society (AWS) and industry standards;
- apply basic knowledge of blueprint reading to fabricate projects as assigned;
- identify appropriate verbal and nonverbal messages for various communication situations, including messages used in electronic correspondence;

## Requirements

First Term		Credits
WLD-100	Welder's Print Reading I	3
WLD-150	Welding Processes	4
<b>Credits</b>		<b>7</b>
Second Term		Credits
COMM-100Z	Introduction to Communication	4
Select one of the following:		4
WLD-111A	Shielded Metal Arc Welding (Stick)	
WLD-113A	Gas Metal Arc Welding/Flux Core Arc Welding (Wirefeed)	
WLD-115A	Gas Tungsten Arc Welding (GTAW)	
<b>Credits</b>		<b>8</b>
<b>Total Credits</b>		<b>15</b>

## Careers

Career opportunities include: