



# Welding Fabricator Certificate of Achievement

This certificate specializes in up to date welding code and safety regulations, modern power sources and techniques, fabrication procedures with the Gas Metal Arc Welding Process and the Gas Tungsten Arc Welding Process. Students will have the opportunity to meet or exceed industry standards in order to become employed in the welding industry.

## SUGGESTED PROGRAM COURSE SCHEDULE

### SEMESTER 1

7.5 (10.5) UNITS

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>WELD 100</b> Basic Intro to Welding	(3)	This course is a Pre-req for WELD 128 & 129 (if WELD 160 is not taken)	F(1 <sup>st</sup> 8 wks); S (1 <sup>st</sup> 8 wks), Su  S(2 <sup>nd</sup> 8 wks)	
<b>Select a minimum of 7.5 units from the following:</b>				
<b>WELD 125</b> Intro to GMAW Process	1.5		F(2 <sup>nd</sup> 8 wks)	
<b>WELD 126</b> Gas Metal Arc Welding of Plate & Pipe	3		S(2 <sup>nd</sup> 8 wks)- even yr (check Class Schedule for Offering)	
<b>WELD 127</b> Gas Metal Arc Welding of Sheet Metal	3		S(2 <sup>nd</sup> 8 wks)- odd year (check Class Schedule for Offering)	
<b>WELD 128</b> Gas Tungsten Arc Welding of Aluminum Alloys	3	WELD 100 or 160	F(1 <sup>st</sup> 8 wks)-odd year (check Class Schedule for Offering)	
<b>WELD 129</b> Gas Tungsten Arc Welding of Stainless Steel	3	WELD 100 or 160	F(1 <sup>st</sup> 8 wks)-odd yr (check Class Schedule for Offering)	
<b>WELD 160</b> Welding Technology for the Automotive Industry	1.5		S(2 <sup>nd</sup> 8 wks)	

### SEMESTER 2

3 UNITS

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>WELD 145</b> Basic Welding Shop Fabrication	3		F(2 <sup>nd</sup> 8 wks)- even years (check Class Schedule for Offering)	

<sup>^</sup>You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.  
\*(O) = online available (H) = hybrid available

**Career Options/Outlook:** Welders use hand-welding or flame-cutting equipment to weld or join metal components or to fill holes, indentations or seams of fabricated metal products. Typical tasks include operating safety equipment and using safe work habits, recognizing, setting up, and operating hand and power tools common to the welding trade, such as shielded metal arc and gas metal arc welding equipment.

### A sample of reported job titles:

Aluminum Welder, Fabrication Welder, Fabricator, Fitter/Welder, Maintenance Welder, Mig Welder, Sub Arc Operator, Welder, Welder-Fitter, Welder/Fabricator

### Projected job opening in California (2016-2026):

3,450

### Projected growth:

Average (5%-9%)

### Salary in California:

Median wage (2017): \$41,350/yr  
Source:

<https://www.onetonline.org/link/summary/51-4121.06>