



# Welding Code Certificate of Achievement

This certificate specializes in the American Welding Society Structural Steel Welding Code (D1.1) and Seismic Welding Code (D1.8). Students have the option to select one of three courses to prepare to take the Certified Welding Inspector (CWI) exam at AWS testing sites. Students may take all focus courses to assist with preparing for the CWI exam, but only one is needed to earn the certificate.

## SUGGESTED PROGRAM COURSE SCHEDULE

### SEMESTER 1 or 2

4 (7) UNITS

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>WELD 100</b> Basic Intro to Welding or  <b>WELD 160</b> Welding for the Automotive Industry	(3)	These courses are Pre-req for WELD 128 & 129	F(1 <sup>st</sup> 8 wks); S (1 <sup>st</sup> 8 wks), Su  S(2 <sup>nd</sup> 8 wks)	
<b>A minimum of 4 units from the following:</b>				
<b>WELD 110</b> Advanced SMAW & Semi-Automatic Process	4	WELD 100 or 160	F(2 <sup>nd</sup> 8 wks)	
<b>WELD 111</b> Basic Pipe Welding	4	WELD 100 or 160	S(1 <sup>st</sup> 8 wks)	
<b>WELD 113</b> Basic Flux Core Arc Welding	4	WELD 100 or 160	S(1 <sup>st</sup> 8 wks)	

### SEMESTER 1 or 2

4 UNITS

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>WELD 151</b> Industry Training	4	WELD 110, 111, or 113	S(2 <sup>nd</sup> 8 wks)	

<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:

Certified Welding Inspector, Certified Welding Supervisor, Certified Welding Educator

### 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>

