

Palomar College Catalog 2009-2010

Welding (WELD)

Contact the Trade and Industry Department for further information.
(760) 744-1150, ext. 2545
Office: T-1

Associate in Arts Degrees -

AA Degree requirements are listed in Section 6 (green pages).

- Welding Technology

Certificates of Achievement -

Certificate of Achievement requirements are listed in Section 6 (green pages).

- Welding Technology

Certificates of Proficiency -

Certificate of Proficiency requirements are listed in Section 6 (green pages).

- Entry-Level Gas Metal Arc/Flux Cored Arc Welding
- Entry-Level Gas Tungsten Arc Welding
- Entry-Level Shielded Metal Arc Welding

PROGRAMS OF STUDY

Entry-Level Gas Metal Arc/ Flux Cored Arc Welding

Provides the skills necessary for entry-level employment as a gas metal arc welder/
flux cored arc welder.

CERTIFICATE OF PROFICIENCY

Program Requirements	Units
IT/WELD 108 Technical Mathematics	3
WELD 100 Welding I	3
WELD 120 Gas Metal Arc and Flux Cored Arc Welding	3
WELD 135 Print Reading for Welders	3
WELD 160 Metal Layout for Fabrication	3
TOTAL UNITS	15

Entry-Level Gas Tungsten Arc Welding

Provides the skills necessary for entry-level employment as a gas tungsten arc
welder.

CERTIFICATE OF PROFICIENCY

Program Requirements	Units
IT/WELD 108 Technical Mathematics	3
WELD 100 Welding I	3
WELD 115 Gas Tungsten Arc Welding	3
WELD 135 Print Reading for Welders	3
WELD 160 Metal Layout for Fabrication	3
TOTAL UNITS	15

Entry-Level Shielded Metal Arc Welding

Provides the skills necessary for entry-level employment as a shielded metal arc
welder.

CERTIFICATE OF PROFICIENCY

Program Requirements	Units
IT/WELD 108 Technical Mathematics	3
WELD 100 Welding I	3
WELD 135 Print Reading for Welders	3
WELD 160 Metal Layout for Fabrication	3
TOTAL UNITS	12

Welding Technology

Provides training for a career in the field of welding. Following the study of basic

welding processes, the student may elect to concentrate in one or more of the
basic welding processes and to prepare for the industrial certification test.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units
WELD 100 Welding I	3
WELD 110 Shielded Metal Arc Welding	3
WELD 115 Gas Tungsten Arc Welding	3
WELD 120 Gas Metal Arc and Flux Cored Arc Welding	3
WELD 135 Print Reading for Welders	3
WELD 160 Metal Layout for Fabrication	3
IT/WELD 108 Technical Mathematics	3
CE 100 Cooperative Education	1,2,3,4
Electives (Select 3 units)	
WELD 105 Metal Cutting, Brazing, Soldering	3
WELD 150 Welding Inspection	3
WELD 197 Welding Technology Topics	3
TOTAL UNITS	25 - 28