

# WELDING, CERTIFICATE

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The Welding program provides a competency-based, individualized method of instruction. This program provides training at various levels of competency in the four most common methods of metal joining: shielded metal arc (SMAW), gas tungsten arc (GTAW), oxy-fuel (OFW), and gas metal arc (GMAW). Plasma and oxyacetylene cutting, both manual and semi-automatic are included in various courses.

For more information about Welding Technology, please visit the program page (<http://www.cod.edu/welding/>).

## Certificate Requirements

Field of Study Code: WELD.CER

Code	Title	Credits
WELD 1100	Welding I	3
WELD 1112	Oxy-Fuel, Welding, Plasma Cutting and Brazing	3
WELD 1122	Shielded Arc Welding (SMAW)	3
WELD 1132	Metal Inert Gas (MIG) Carbon Steel Welding	3
WELD 1142	Gas Tungsten Arc (TIG)	3
WELD 1151	Pipe Welding and Fabrication	3
WELD 1160	Skill Assessment	3
WELD 2000	Introduction to AWS Level 1	2
MANUF 1101	Industrial Design/CAD	3
MANUF 1151	Machine Shop I	3
<b>Total Credits</b>		<b>29</b>