WELDING TECHNOLOGY, A.A.S.

The Welding Technology program will provide students with the theory and practice in entry-level welding skills. Upon successful completion of the program, students will be prepared for the American Welding Society (AWS) examinations.

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

Degree Requirements

Field of Study Code: WELD.AAS

Code	Title	Credits
Program Requirements		
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
WELD 2001	Aws Level 1-SHIELDED Metal Arc Welding (SMAW)	3
WELD 2002	AWS Level 1 Gas Tungsten Arc Welding (GTAW)	3
WELD 2003	AWS Level 1 Flux Core Arc Welding (FCAW)	3
WELD 2004	AWS Level 1 Gas Metal Arc Welding (GMAW)	3
MANUF 1101	Industrial Design/CAD	3
MANUF 1151	Machine Shop I	3
Program Electives		
Select at least five credits from any 1000 or 2000 level Welding course not listed in program requirements or from these courses:		5
ELMEC 1171	Introduction to Robotic Technology	
HVACR 1161	Introduction to Sheet Metal	
MANUF 1121	Physical Metallurgy	
MANUF 2280	Industrial Safety	
WELD 1134	Gas Metal Arc Welding (GMAW) Aluminum Welding	
WELD 1136	Gas Metal Arc Welding (GMAW) Stainless Steel	
WELD 1138	Gas Metal Arc Weld (GMAW) Bronze	
WELD 1144	Gas Tungsten Arc Welding (GTAW) Aluminum	
WELD 1146	Gas Tungsten Arc Welding (GTAW) Stainless Steel	
General Education		
In addition to the classes listed above complete 18 hours of general education requirements.		18
Total Credits		**64**

General Education Requirements

For general education requirements for the A.A.S. degree, please visit the A.A.S. degree catalog page (https://catalog.cod.edu/associate-degree-programs/associate-applied-science-degree/).