

# AWS SENSE 1, CERTIFICATE

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Theory and practice in the preparation and welding of steel joints in various positions. Safety, electrode selection, inspection, and testing using shielded metal, gas tungsten, flux core, and gas metal arc welding. Skills are developed in producing different position butt and fillet welds. American Welding Society (AWS) testing is emphasized. The **AWS Sense 1 certificate** requires 17 credits in the courses listed below.

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

## Certificate Requirements

Field of Study Code: WELD.CER.AWS

Code	Title	Credits
WELD 1100	Welding I	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
<b>Total Credits</b>		<b>17</b>