

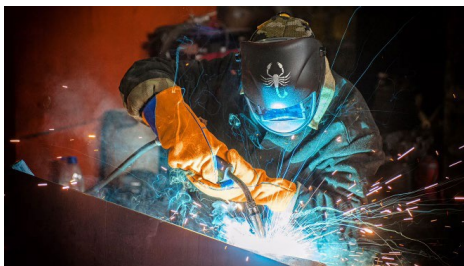


## Structural Welding – SMAW Occupational Skills Award

IACE1.SMAW  
OSA1.SMAW

Texas Southmost College  
Workforce Training and Continuing Education

This introductory program is designed to meet industry standard welding techniques using the following processes: Shielded Metal Arc Welding (SMAW), Oxy-Fuel Cutting (OFC), Air Carbon Arc Gouging (ACAG), SMAW fillet and grooves in all positions with & without Backing Bar in accordance to AWS D1.1, and various joint designs. Upon completion of the course, students will have the opportunity to earn an Occupational Skill Award, and an OSHA 10-hour certification.



COURSES	Hours
WLDG 1028 - Introduction to Shielded Metal Arc Welding	160
<b>Total Contact Hours for Graduation</b>	<b>160</b>

### Learning Outcomes:

- Demonstrate proper use of personal protective equipment.
- Describe/ Understand the fundamentals of SMAW.
- Cut, prepare, clean(grind) material for welding.
- Demonstrate proper set up of welding equipment, welding techniques, and maintenance of the welding equipment.

### Award

TSC Certificate of Completion  
Occupational Skills Award  
OSHA 10-Hour Certification

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\*Must successfully complete all courses with a satisfactory (S) grade.