



# Combination Welding Occupational Skills Award

IACE1.COMW  
OSAI.COMW

Texas Southmost College  
Workforce Training and Continuing Education

This advance program is designed to meet industry standard welding techniques using the following processes to weld pipe: Shielded Metal Arc Welding (SMAW) & Gas Tungsten Arc Welding (GTAW) pipe in all positions and emphasis on industry level standards. 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 1035 Introduction to Pipe Welding	160
<b>Total Contact Hours for Occupational Skills Award</b>	<b>160</b>

### Learning Outcomes:

- Demonstrate proper use of personal protective equipment
- Describe/ Understand the fundamentals GTAW, and SMAW on pipe
- Cut, prepare (Bevel), clean(grind) pipe for welding
- Demonstrate proper set up of welding equipment, welding techniques, and maintenance of the welding equipment.
- Ability to produce industry quality workmanship in accordance with the AWS API 1104 (Welding of Pipelines and related facilities)

### Award

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

\* Must successfully complete all courses with a Satisfactory (S) for graduation.