Advanced Technique Training

The courses below are specifically designed for professional welders who are seeking training in the advanced techniques required to upgrade skill level and qualify themselves for additional career opportunities. All enrolling students should already possess the fundamental welding skills in the major processes before they choose to specialize in advanced technique training.

STANDARD WELDING (180 HOURS):

DESCRIPTION: Industry is constantly in the process of improving the quality of welding in both manufacturing and construction. This course is designed as refresher training for professional welders who are subject to periodic qualification tests, or who wish to upgrade their skills to prepare themselves for advancement in the welding field.

OBJECTIVES: To improve the welder's skills in Shielded Metal Arc Welding in all four positions on carbon steel pates. The graduate should be prepared to enter an advanced welding position. Specifically, the graduate should be able to:

1. Upgrade and improve previous welding skills in Shielded Metal Arc Welding.
2. Complete a welder performance plate test per AWS/ASME.

COURSE OF STUDY:

Plasma/Oxyacetylene Welding/Cutting	10 hours
Shielded Metal Arc Welding in:	
Flat Position	40 hours
Horizontal Position	40 hours
Vertical Position	50 hours
Overhead Position	40 hours
TOTAL =	**180 hours**

ADVANCED WELDER QUALIFICATION– PIPE (120 HOURS):

Note: Oxyacetylene cutting of required materials will be performed by student, or they may elect to supply or purchase practice materials.

DESCRIPTION: This course is designed for the professional welder who wishes to prepare for a Pipe Welding Qualification Test or for the professional welder who is subject to periodic testing on the job.

OBJECTIVES: To develop or improve pipe welding skills utilizing the Shielded Metal Arc Welding process and prepare to pass a Pipe Welding Qualification Test. Enables the graduate to enter an advanced pipe welder position. Specifically, the graduate should be able to:

1. Properly prepare carbon steel pipe and plate prior to welding.
2. Weld carbon steel pipe in all positions including the 6G position using the Shielded Metal Arc Welding process.

COURSE OF STUDY:

Pipe Padding All Positions	24 hours
Pipe Fillet All Positions	30 hours
Pipe Tee All Positions	24 hours
Pipe Butt All Positions	42 hours
TOTAL =	**120 hours**

Student welding at WTTI

MORE SKILLS = LESS LIMITS

It's a fact: welding is used in an enormous amount of ways throughout the world. So your career in welding offers many possibilities that become greater as you continue to advance your skills through training and determination.