

# Welding Technology



## Career Opportunities

- Bridge Builder
- Cutter
- Pipeline Welder
- Welder
- Welder/Fitter
- Welding Equipment Sales
- Welding Inspector
- Welding Machine Operator
- Welding Machine Setter
- Welding Machine Set-Up
- Continuing Education and Training in the fields of Applied Science, Engineering, Business or Manufacturing

## Welding Technology

The Welding Technology Program provides you with the training in blueprint reading, metal fabrication and layout. You will gain experience in identifying and joining a wide range of metals and will develop the special skills necessary for success in the trade. In addition, you will have the opportunity to learn these welding processes and skills; oxyacetylene welding and cutting, shielded metal arc, pipe welding, and the attainment of state pipe certification.

Tracy Borden

Welding Technology Instructor

borden@hptc.edu

580-571-6151

Starting Salary Range:  
\$10 - \$15 per hour (entry level)

Who Can Enroll:  
High School Juniors and Seniors  
Post-Secondary Students

College Credit:  
OSU-Okmulgee, Cowley CCC



Education and training at the *speed* of business.

3921 34<sup>th</sup> Street  
Woodward, OK 73801  
580-256-6618  
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## Course Information

- Introduction to Welding & Cutting Processes (90 hours)
- GMAW/FCAW Equipment and Setup (15 hours)
- Metal Characteristics and Properties (30 hours)
- FCAW Plate/Pipe (60 hours)
- Air Carbon Arc Cutting & Gouging (15 hours)
- Plasma Arc Cutting (15 hours)
- Welding Blueprints (15 hours)
- Welding Joint Fit Up & Adjustment (15 hours)
- GTAW Equipment & Filler Materials (15 hours)
- GMAW Plate (60 hours)
- SMAW Electrodes (15 hours)
- SMAW Equipment & Setup (15 hours)
- SMAW Beads & Fillet Welds (120 hours)
- Welding Detail Drawings II (45 hours)
- GTAW Aluminum Plate (45 hours)
- GTAW Carbon Steel Pipe (90 hours)
- Mitering, Saddling & Branching Pipe (75 hours)
- SMAW Open Root Pipe Welds (105 hours)
- Metal Preparation & Heat Treatments (30 hours)
- GTAW Plate (60 hours)
- GTAW Low Alloy & Stainless Steel Pipe (90 hours)
- Workforce Staging (30 hours)

**TOTAL HOURS            1050**

### Helpful Attributes

Analytical Skills, Computer Knowledge,  
Working With Hand Tools, Reading and  
Writing Skills, Math Skills

## Adult Tuition Information

<b>TUITION</b>	In District	\$3.50 an hour
	Out of District	\$7.00 an hour
<b>OTHER</b>	Estimate Entry Level Tool Set	\$2,000.00
<b>ADULT FEES</b>	Book/Material Use Fee	

## Certifications Available

- Structural Certification (AWS)
- Pipe Certification (AWS)



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