

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

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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:

Cowley County Community College



Education and training at the *speed* of business.

3921 34th Street
Woodward, OK 73801
580-256-6618
www.hptc.edu

Welding Technology

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

| | | |
|-------------------|-------------------------------|----------------|
| TUITION | In District | \$2.25 an hour |
| | Out of District | \$4.50 an hour |
| OTHER | Estimate Entry Level Tool Set | \$2,000.00 |
| ADULT FEES | Book/Material Use Fee | |

Certifications Available

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



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