

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

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

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.



Education and training at the *speed* of business.

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Welding Technology

Course Information

- Introduction to Welding & Cutting Processes (90 hours)
- GMAW/FCAW Equipment and Setup (5 hours)
- Metal Characteristics and Properties (10 hours)
- FCAW Plate/Pipe (60 hours)
- Plasma Arc Cutting (15 hours)
- Welding Blueprints (5 hours)
- GTAW Equipment & Filler Materials (5 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 (95 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 960

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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