



Applied Welding Technology

Gordon Cooper Technology Center offers full-time career pathways to high school juniors, seniors and adults. A student is eligible to receive college credit for most full-time career majors. High School students are eligible to receive math credit for various career majors. Courses are offered from 8:10 to 11:10 AM and 12:55 to 3:55 PM Monday through Friday. A student can choose to attend either the AM or PM session or both sessions. All students must be assessed before entering a career major.

Applied Welding Technology is designed to prepare individuals for job ready employment within the welding industry, and provides the student with skills in oxyacetylene welding and cutting (OAW), electric arc welding (SMAW), gas metal arc welding (GMAW), gas tungsten arc welding (GTAW).

Occupational competency certificates may be earned for multiprocessing welder. Proficiency will be developed in basic blue prints, math, welding terminology and the development of good safe working habits and attitudes.

Career Majors:

(For financial aid a Career Major must be 600 hours or more.)

In-District* Full-time Tuition: \$1600 (\$800.00 per semester)

Required Fees: \$224.00

CTSO Dues: \$6.00

Career Majors within Applied Welding Technology:						
Column1	Hours	Required Books	Required Tools	Required Uniforms	Certification Test Costs	Optional Books
Structural Welder	840	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Pipe Welder	915	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

***Out-of-District Tuition is double the amount of In-District Tuition**

Courses:

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|---------------------------------------|----------------------------------------------|-----------------------------------|
| Air Carbon Arc Cutting and Gouging | GTAW Aluminum Pipe | Welding Blueprints |
| MAW â€™ Open Root Pipe Welds | GTAW Aluminum Plate | Weld Quality |
| MAW â€™ Groove Welds with Backing | GTAW Plate | Welding Detail Drawings |
| Metal Characteristics and Properties | GMAW Plate | Workforce Staging |
| Metal Preparation and Heat Treatments | GMAW – Pipe | Oxyfuel Cutting |
| GTAW Equipment & Filler Materials | GMAW Aluminum Pipe and Plate | Fundamentals of Welding |
| GMAW/FCAW Equipment and Setup | SMAW â€™ Electrodes | FCAW Pipe |
| GTAW Carbon Steel Pipe | SMAW â€™ Open V-Groove Welds | FCAW Plate |
| GTAW Low Alloy & Stainless Steel Pipe | SMAW â€™ Beads & Fillet Welds | Fundamentals of Cutting Processes |
| Metal Characteristics and Properties | SMAW â€™ Equipment & Setup | |
| Metal Preparation and Heat Treatments | SMAW - Stainless Steel Groove and Pipe Welds | |
| Plasma Arc Cutting | Welding Joint Fit-Up and Adjustment | |

Entrance Requirements: Reading and math skills at the 9th grade level or above.

High School Academic Credits: 1 unit Computer Science

College Credit: Credit is currently available at Rose State College, Seminole State College, Coffeyville Community College (Kan.) and St. Gregory's University.

Certification Testing: Varied by field; Credentials targeted include Oklahoma State Department of *Career* Tech Competency test.

Potential Salary Range: \$8.00 to \$40.00 per hour

For financial assistance go to: www.fafsa.ed.gov

Instructor: Joe Curtis (405) 273-7493 x 312

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