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 8:15 to 11:15 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: $10.00

<table>
<thead>
<tr>
<th>Career Majors within Applied Welding Technology:</th>
<th>Hours</th>
<th>Required Books</th>
<th>Required Tools</th>
<th>Required Uniforms</th>
<th>Certification Test Costs</th>
<th>Optional Books</th>
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<tbody>
<tr>
<td>Structural Welder</td>
<td>840</td>
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<td>Pipe Welder</td>
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<td>$0.00</td>
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</table>

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

**Courses:**
- Air Carbon Arc Cutting and Gouging
- MAW Open Root Pipe Welds
- MAW Groove Welds with Backing
- Metal Characteristics and Properties
- Metal Preparation and Heat Treatments
- GTAW Equipment & Filler Materials
- GMAW/FCAW Equipment and Setup
- GTAW Carbon Steel Pipe
- GTAW Low Alloy & Stainless Steel Pipe
- Metal Characteristics and Properties
- Metal Preparation and Heat Treatments
- Plasma Arc Cutting

- GTAW Aluminum Pipe
- GTAW Aluminum Plate
- GTAW Plate
- GMAW Plate
- GMAW – Pipe
- GMAW Aluminum Pipe and Plate
- SMAW Electrodes
- SMAW Open V-Groove Welds
- SMAW Beads & Fillet Welds
- SMAW Equipment & Setup
- SMAW - Stainless Steel Groove and Pipe Welds

- Welding Blueprints
- Weld Quality
- Welding Detail Drawings
- Workforce Staging
- Oxyfuel Cutting
- Fundamentals of Welding
- FCAW Pipe
- FCAW Plate
- Fundamentals of Cutting Processes
- 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 of Geometry

**College Credit:** College credit towards an Associate of Applied Science can be earned from Rose State College or 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](http://www.fafsa.ed.gov)

**Instructor:** Joe Curtis (405) 273-7493 x 2312

**Email:** joec@gctech.edu
The Gordon Cooper Technology Center, in compliance with Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990 and Title IX of the Education Amendments of 1972, does not discriminate on the basis of race, ethnicity, religion, national origin, age, gender, disability or veteran status in any of its policies, practices, or procedures. These equal opportunity provisions include, but are not limited to admission, employment, financial aid, and student services. Compliance Officers are: Mike Matlock, Neisha Haskins and Donna Stone.

Information regarding career majors and gainful employment statistics of our former students can be found under the “About” tab on our school website:  www.gctech.edu