Overview

Learn basic metal fabrication and entry-level techniques to build and repair structures or products using OXY/FUEL and PLASMA cutting, ARC, MIG and TIG welding. Students work on projects in a detailed, hands-on environment to prepare for a career in the welding industry.

Student Experience & Projects

Students will enrich their technical skills with participation in community service events, service learning projects, SkillsUSA competitions, fabrication of items for the Academy Enterprise Store, commercial building industry applications, career fairs, welding industry tours, job shadow, and internships.

Possible Careers

- Welding Technician
- Production Welder
- Welding Fitter
- Supervisor
- Inspector
- Welding Machine Operator

Field Trips

- Kawasaki
- IntoMetal
- MWD Steel Fabrication

Guest Speakers

- Kawasaki
- Bison
- TMCO

11.5 Dual Credits: Earn up to 14.5 Southeast Community College credits.

Visit us or apply at: thecareer.academy
**Awards**

Skills USA 2017
2nd in State Welding, OAW

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**Recommended Classes to Take at Your Home High School**

**Encouraged:** Introduction to Welding/Manufacturing, Introduction to Construction, Introduction to Woods Manufacturing, Introduction to Engineering Design

**YEAR 1 CLASSES**
*Junior (or Senior if pathway is not full)*

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 1105 (3.5) Oxyacetylene Theory</td>
<td>WELD 1101 (3.5) SMAW I</td>
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<td>Plus welding projects/competitions</td>
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</table>

**YEAR 2 CLASSES**
*Returning TCA Senior*

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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</thead>
<tbody>
<tr>
<td>WELD 1210 (2.5) GMAW Lab I</td>
<td>WELD 2310 (3.0) GMAW Lab II</td>
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<tr>
<td></td>
<td>Plus welding projects, competitions and/or internship</td>
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</tbody>
</table>

**Additional high school courses taken at TCA to meet graduation requirements**

(Students earn 30 LPS credits per year toward the 245 LPS credits required for graduation).

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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</thead>
<tbody>
<tr>
<td>11th LPS Gov’t &amp; Politics (5 LPS credits)</td>
<td>11th LPS Economics (5 LPS credits)</td>
</tr>
<tr>
<td>12th LPS English (5 LPS credits)</td>
<td>12th LPS English (5 LPS credits)</td>
</tr>
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**Related Associate of Applied Science Degrees Offered at SCC**

**AAS Degrees:** Welding Technology, Auto Collision Repair Technology, Nondestructive Testing Technology. **Certificates/Diploma:** Welding Technology

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*Information subject to change.*