## Arizona Career and Technical Education Program of Study 2015

**High School:** Flagstaff High School  
**Secondary CTE Program:** Welding Technology  
**Secondary CIP Code:** 48.0508

<table>
<thead>
<tr>
<th>GRADE</th>
<th>CTE Secondary courses and Postsecondary major courses and CTSOs</th>
<th>ENGLISH</th>
<th>MATH</th>
<th>SCIENCE</th>
<th>SOCIAL STUDIES</th>
<th>Other required courses/electives</th>
<th>Postsecondary degree or certificate associated with this Program of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td><strong>Industrial Technology Explorations</strong></td>
<td>English 9</td>
<td>Algebra</td>
<td>Earth Science</td>
<td>Elective</td>
<td>Health/PE</td>
<td></td>
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<tr>
<td>10</td>
<td><strong>Welding I WLD-102 (3)/Skills USA</strong></td>
<td>English 10</td>
<td>Geometry</td>
<td>Biology</td>
<td>World History Geography</td>
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### Year 1

**1st Semester**  
- **WLD-102 Basic Welding Fabrication (3)**
- **ENG-101 College Comp I (3)**
- **MAT-187 Pre-Calculus (5)**
- **PHY-111 College Physics I (4)**
- **HIS-131 or 132 US History (3)**
- **EDU-200 Introduction to Education (3)**

**2nd Semester**  
- **WLD-106 Intermediate Welding (3)**
- **ENG-102 College Comp II (3)**
- **PHY-112 College Physics II (4)**
- Arts / Humanities (3)
- AUT, CRP, DFT, ELT, CTM, WLD Elective (3)

### Year 2

**1st Semester**  
- **CTM-115 Intro to Woodworking (3)**
- **CHM-130 or 151 in lieu of PHY-112 (4/5)**
- Arts / Humanities (3)
- AUT, CRP, DFT, ELT, CTM, WLD Elective (6)

**2nd Semester**  
- **AUT, CRP, DFT, ELT, CTM, WLD Elective (3)**
- **POS-220 Arizona National Constitution (3)**
- AUT, CRP, DFT, ELT, CTM, WLD Elective (3)

### Credit-Based Transition Programs (e.g. Dual, Concurrent or Reverse Enrollment)

* Students who wish to earn additional credit toward this degree should enroll in Woods II (CTM 115) to earn dual enrollment credit.

**CTE Director:**  
**Date:**

**Postsecondary:**  
**Date:**