# Arizona Career and Technical Education Program of Study 2015

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

**Postsecondary Institution:** Coconino Community College  
**Postsecondary Program:** Vocational Technology Education  
**Postsecondary CIP Code:** 46.9999

<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>
</tr>
<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</td>
<td>Geography</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td><strong>Welding III/Skills USA</strong></td>
<td>AP II: Literature &amp; Composition ENG-102 (3)</td>
<td>Pre-Calculus MAT-187 (5)</td>
<td>AP Physics PHY-111 &amp; 112 (6)</td>
<td>Government/Economics</td>
<td>Woods II</td>
<td></td>
</tr>
</tbody>
</table>

**SECONDARY**

- Administer Arizona's Instrument for Measuring Standards (AIMS) 10th Grade.
- Conduct academic/career advising. Identify and implement additional preparation strategies.

**POSTSECONDARY**

- 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)

- 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)

- 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)

- AUT, CRP, DFT, ELT, CTM, WLD Elective (3)

**Required Courses**

**Recommended Elective Courses**

**Career and Technical Education Courses**

**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: ___________________________