<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>COURSE#</th>
<th>STUDENT LEARNING OUTCOMES</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLD</td>
<td>150</td>
<td>Student will successfully perform a SMAW test procedure with E7018 electrodes in the flat position on 3/8&quot; steel plate as per AWS-D1.1 Structural code specifications.</td>
</tr>
<tr>
<td>WLD</td>
<td>151</td>
<td>NO SLO on CNET CS</td>
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<tr>
<td>WLD</td>
<td>155</td>
<td>NO SLO on CNET CS</td>
</tr>
<tr>
<td>WLD</td>
<td>156</td>
<td>NO SLO on CNET CS</td>
</tr>
</tbody>
</table>
| WLD     | 52      | Student will demonstrate safe and correct use of sheet metal tools and equipment.  
Student demonstrates skill in use of developed patterns to fabricate various sheet metal projects and transitions.  
Student demonstrates skill in developing sheet metal patterns using the triangulation and longitudinal line development techniques. |
| WLD     | 53      | Demonstrate skill in preparing various parts for an assigned project  
Demonstrate skill in assembling, tacking and welding of prefabricated parts  
Demonstrate ability to estimate the material, weight, and welding requirements of an assigned fabricated project |
| WLD     | 54      | Student performs an oxy-fuel cutting procedure on steel plate in conformance with blue prints  
Student performs an AWS D1.1 standardized weld test procedure using the SMAW – GTAW – GMAW or FCAW method in a position other than flat  
Student performs 2G and 3G position fillet welds on steel plate specimens with various electrodes |
| WLD     | 57      | Student will demonstrate ability to perform a root pass key holing procedure and fill procedure on steel pipe in the 2G horizontal position with the SMAW process  
Student will demonstrate ability to perform a root pass and full weld procedure on purged steel pipe in the 2G horizontal position with the GTAW process.  
Student will demonstrate ability to cut and prepare pipe sections for welding. |
| WLD     | 58      | Student will demonstrate proficiency in applying hard facing electrodes with the SMAW process  
Student will demonstrate proficiency in applying barium rod surfacing with the oxy-fuel process on thin working edges used in agriculture  
Student will demonstrate proficiency in applying FCAW hard facing on heavy steel plate |