## Welding Technology PLOs 2017-2018

### Acad Program - Welding Technology (TD)

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<tr>
<th>Program Learning Outcomes</th>
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<th>Action Taken (Use of Results)</th>
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| **Occupational Orientation & Safety** - Upon successful completion of this course, the student will be able to: Identify and apply basic safety skills in Hand tools, Power tools, general safety procedures, and welding practices at all times. | Demonstration - NCCER Performance Profile  
Criterion: 60% of the students in WELD 1110 successfully passed the NCCER Performance Profile | Reporting Period: 2017 – 2018 EoY  
Result Type: Criterion Met  
31/35 (88%) of the students in WELD 1110 successfully passed the NCCER Performance Profile (07/23/2018)  
Analysis: after reviewing of the result we have determined that the students receiving the necessary knowledge and skills need to complete WELD 1110. | Action Taken (Use of Results): 88% of all students taking the WELD 1110 earned passing grades which exceed the criterion of 60%, after review it was determined that the goal would be increased to 70% passing for 2018-19. (07/23/2018)  
Follow-Up: Non at this time (12/14/2018) |
| **Fillet Weld** - Students will be able to preform a 2F, 3F, and 4F position fillet weld using 3/32-7018 and 1/8-6010+electrodes.  
**Outcome Status**: Active/Ongoing  
**Assessment Year**: 2016 - 2017, 2017 - 2018  
**Start Date**: 07/01/2016 | Demonstration - A performance test will be given in the 2F, 3F, and 4F positions. Using a 3/32-7018 and 1/8-6010+electrodes.  
**Criterion**: 60% of the students in WELD 1411 successfully passed the performance test | Reporting Period: 2017 - 2018 EoY  
Result Type: Criterion Met  
24/40 (60%) of the students in WELD 1411 successfully passed the performance test (07/24/2018)  
Analysis: After a review of the Data it was determined that the Criterion was met and no changes may be made at this time. | Action Taken (Use of Results): Students met this outcome. But it is determined that at this time no changes are necessary at this time. This criterion will be reviewed in mid-year to determine if the criterion needs to be changed at the end of the fall. (12/15/2018) |
| **SMAW** - Students will be able to preform a shielded metal arc welding 6G uphill pipe weld using 3/32-7018 and 1/8-6010+electrodes.  
**Outcome Status**: Active/Ongoing  
**Assessment Year**: 2016 - 2017, 2017 - 2018  
**Start Date**: 07/01/2016 | Demonstration - A performance test will be given on a shielded metal arc welding 6G uphill pipe weld. Using a 3/32-7018 and 1/8-6010+electrodes.  
**Criterion**: 60% of the students in WELD 1517 will successfully passed  
| Reporting Period: 2017 - 2018 EoY  
Result Type: Criterion Not Met  
1/7(14%) of the students in WELD 1517 successfully passed the performance test (07/01/2018)  
Analysis: After a review of the data it was determined that students struggle with being successful on this outcome. | Action Taken (Use of Results): While the 60% criterion was not met and only 14% of students passed the performance it is decided that the goal will remain 60% and training will be expanded |

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10/23/2018  
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<tr>
<td>2018</td>
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<td>Start Date: 07/01/2016</td>
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<td>GTAW</td>
<td>Demonstration - A performance test will be given on a gas tungsten arc welding 6G pipe weld. Using ER70s-6 Filler.</td>
<td>Reporting Period: 2017 - 2018 EoY&lt;br&gt;Result Type: Criterion Met&lt;br&gt;1/2 (50%) of the students in WELD 2222 successfully passed the performance test</td>
<td>Action Taken (Use of Results): More hands-on training will be offered in WELD 2222, and a review and a review will be done at the end of the fall to determine if the criterion will need to be adjusted for the 2019/2020 year. (07/24/2018)</td>
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<td>Outcome Status: Active/Ongoing&lt;br&gt;Assessment Year: 2016 - 2017, 2017 - 2018&lt;br&gt;Start Date: 07/01/2018</td>
<td>Analysis: After a review of the data it is observed that students struggled with success on this outcome. However, More hands-on training will be offered in this area.</td>
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<td>Basic Blueprint, Metallurgy, and Weld Symbols - Upon successful completion of this course students will be able to analyze drawings and specifications related to welding problems and jobs.</td>
<td>Demonstration - NCCER Performance Profile&lt;br&gt;Criterion: 60% of the students in WELD 1120 successfully passed the NCCER Performance Profile</td>
<td>Reporting Period: 2017 - 2018 EoY&lt;br&gt;Result Type: Criterion Met&lt;br&gt;26/35 (75%) of the students in WELD 1120 successfully passed the NCCER Performance Profile (07/24/2018)</td>
<td>Action Taken (Use of Results): Students did very well with this outcome and with 75% passing the performance profile. The Criterion will be set at 70% for 2018/2019. (07/24/2018)</td>
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<td>Outcome Status: Active/Ongoing&lt;br&gt;Assessment Year: 2016 - 2017, 2017 - 2018&lt;br&gt;Start Date: 07/01/2017</td>
<td>Analysis: After a review of the data students did very well with this outcome.</td>
<td>Follow-Up: Due to the success of this PLO follow up will happen at the end of the spring semester. This PLO will be monitored throughout the year. (05/05/2019)</td>
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