### Occupational Orientation & Safety - Welding Technology (TD)

**Outcome Status:** Active/Ongoing  
**Assessment Year:** 2016 - 2017, 2017 - 2018  
**Start Date:** 07/01/2016

Students 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

**Result Type:** Criterion Met  
83% of the students in WELD 1110 successfully passed the NCCER Performance Profile (07/01/2021)

**Analysis:** After reviewing the result we have determined that the students receive the necessary knowledge and skills needed to complete WELD 1110.

**Action Taken (Use of Results):**  
83% of all students taking the WELD 1110 earned passing grades which exceed the criterion. We will continue to review this goal. (07/01/2021)

---

### Fillet Weld - Welding Technology (TD)

**Outcome Status:** Active/Ongoing  
**Assessment Year:** 2016 - 2017, 2017 - 2018  
**Start Date:** 07/01/2016

Students will be able to perform a 2F, 3F, and 4F position fillet weld using 3/32-7018 and 1/8-6010+electrodes.

**Demonstration - Performance Test**  
**Criterion:** 60% of the students in WELD 1411 successfully passed the performance test

**Result Type:** Criterion Met  
70% of the students in WELD 1411 successfully passed the performance test (07/01/2021)

**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):**  
70% of students met this outcome and it is determined that at this time no changes are necessary. (07/01/2021)

---

### SMAW - Welding Technology (TD)

**Outcome Status:** Active/Ongoing  
**Assessment Year:** 2016 - 2017, 2017 - 2018  
**Start Date:** 07/01/2016

Students will be able to perform a shielded metal arc welding 6G uphill pipe weld using 3/32-7018 and 1/8-6010+electrodes.

**Demonstration - Performance Test**  
**Criterion:** 60% of the students in WELD 1517 successfully passed the performance test

**Result Type:** Criterion Met  
60% of the students in WELD 1517 successfully passed the performance test (07/01/2021)

**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):**  
60% of students successfully met this outcome. Currently it has been determined that at this time no changes are necessary. (07/01/2021)
<table>
<thead>
<tr>
<th>Program Learning Outcomes</th>
<th>Assessment Methods</th>
<th>Assessment Results</th>
<th>Action Taken (Use of Results)</th>
</tr>
</thead>
</table>
| **GTAW** - Students will be able to preform Perform a gas tungsten arc welding 6G pipe weld using ER70s-6 filler metal. | **Demonstration** - A performance test will be given on a gas tungsten arc welding 6G pipe weld. Using ER70s-6 Filler. | **Reporting Period**: 2020 - 2021 EoY  
**Result Type**: Criterion Met  
100% of the students in WELD 2222 successfully passed the performance test (07/01/2021)  
**Analysis**: After a review of the data students did very well with this outcome. | **Action Taken (Use of Results)**:  
100% of students successfully passed the criterion of the weld 2222. No changes will need to be made. (07/01/2021) |
| **Outcome Status**: Active/Ongoing  
**Assessment Year**: 2016 - 2017, 2017 - 2018  
**Start Date**: 07/01/2018 | | | |

| **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. | **Demonstration** - NCCER Performance Profile  
**Criterion**: 60% of the students in WELD 1120 successfully passed the NCCER Performance Profile | **Reporting Period**: 2020 - 2021 EoY  
**Result Type**: Criterion Met  
93% of the students in WELD 1120 successfully passed the NCCER Performance Profile (07/01/2021)  
**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 did very well with this outcome and with 93% passing the performance profile. Due to the success of this PLO follow up will happen at the end of the spring semester. (07/01/2021) |
| **Outcome Status**: Active/Ongoing  
**Assessment Year**: 2016 - 2017, 2017 - 2018  
**Start Date**: 07/01/2017 | | | |