Assessment: Program Four Column

Acad Program - Welding Technology (TD)

Program Learning Outcomes	*Assessment Methods*	*Assessment Results*	*Action Taken (Use of Results)*
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. **Outcome Status:** Active/Ongoing **Assessment Year:** 2016 - 2017, 2017 - 2018 **Start Date:** 07/01/2016	**Demonstration -** NCCER Performance Profile **Criterion:** 60% of the students in WELD 1110 successfully passed the NCCER Performance Profile	**Reporting Period:** 2020 - 2021 EoY **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 - Students will be able to preform Perform 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+electodes **Criterion:** 60% of the students in WELD 1411 successfully passed the performance test	**Reporting Period:** 2020 - 2021 EoY **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 - 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+electodes. **Criterion:** 60% of the students in WELD 1517 will successfully passed the performance test	**Reporting Period:** 2020 - 2021 EoY **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)

Program Learning Outcomes	*Assessment Methods*	*Assessment Results*	*Action Taken (Use of Results)*
GTAW - Students will be able to preform Perform a gas tungsten arc welding 6G pipe weld using ER70s-6 filler metal. **Outcome Status:** Active/Ongoing **Assessment Year:** 2016 - 2017, 2017 - 2018 **Start Date:** 07/01/2018	**Demonstration -** A performance test will be given on a gas tungsten arc welding 6G pipe weld. Using ER70s-6 Filler. **Criterion:** 50% of students in WELD 2222 will successfully passed the performance test	**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)
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. **Outcome Status:** Active/Ongoing **Assessment Year:** 2016 - 2017, 2017 - 2018 **Start Date:** 07/01/2017	**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)