

Assessment: Course Four Column



Courses (CTE) - Welding

WELD 210:Adv Welding Principles

Course Outcomes	Assessment Measures	Results	Actions
<p>Make satisfactory welds in all positions using the following welding process: SMAW (Shielded Metal Arc Welding) - Welding</p> <p>Make satisfactory welds in all positions using the following welding process: SMAW (Shielded Metal Arc Welding) Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Assignment - Lab - Student laboratory welding assignments that consist of a 3G (Vertical Groove) & 4G (Overhead Groove).</p> <p>Criterion: 90% of the students in the Welding Technology Associate of Applied Science Degree Program will achieve 75% of the American Welding Society's D1.1 Structural Welding Code; Clause 6 Inspection, Visual Inspection Acceptance Criteria for Statically Loaded Nontubular Connections on welding laboratory assignments.</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes SMAW 3G: 90%, 94%, 82%, 96%, 92%, 90%, 86%, 96%. SMAW 4G: 0%, 82%, 90%, 98%, 80%, 90%, 92%, 94%.</p> <p>Results Analysis: Students made satisfactory welds in all positions using the SMAW process. One student didn't complete their 4G laboratory assignment and needed more time. Additional laboratory time is available to students that are behind but seldom is it utilized by the students. (09/09/2019)</p>	<p>Action: Encourage students that are behind to utilize the additional laboratory time as needed. (09/09/2019)</p>
<p>Cutting Make satisfactory cuts with the following process: CAC-A (Carbon Arc Cutting using Air) - Cutting</p> <p>Make satisfactory cuts with the following process: CAC-A (Carbon Arc Cutting using Air) Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Assignment - Lab - Student laboratory assignment will demonstrate the correct use of the CAC-A process.</p> <p>Criterion: 90% of the students in the Welding Technology Associate of Applied Science Degree Program will achieve 75% of the American Welding Society's D1.1 Structural Welding Code; Clause 5 Fabrication requirements on cutting</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes CAC-A: 8 out of 8 students passed.</p> <p>Results Analysis: All 8 of the students in this section were able to setup, shutdown and use the CAC-A process. (09/09/2019)</p>	<p>Action: This laboratory assignment has been a Pass or Fail grade and shall be changed to reflect an assessment of their skills for future classes. (09/09/2019)</p>

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Safety Graduates of the Welding Technology Associate of Applied Science Degree Program will have the knowledge for Welding and cutting Safety - Safety</p> <p>Graduates of the Welding Technology Associate of Applied Science Degree Program will have the knowledge for Welding and cutting Safety.</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2023-2024</p>	<p>laboratory assignments.</p> <p>Exam - Student Safety Test.</p> <p>Criterion: 100% of the students in the Welding Technology Associate of Applied Science Degree Program will achieve an 80% or higher score on the written test for Safety.</p>	<p>Reporting Period: 2018-2019</p> <p>Criterion Met: Yes</p> <p>Safety Test: 94%, 95%, 96%, 93%, 93%, 88%, 84%, 95%</p> <p>Results Analysis:</p> <p>All 8 of the students passed the Welding Safety test. (09/09/2019)</p>	<p>Action: A newer version of the safety test should be developed to engage students and aid with retention of the information. (09/09/2019)</p>