

Assessment: Course Four Column

Courses (CTE) - Welding

WELD 260:Pipe Welding

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Welding Make satisfactory welds in all positions on pipe using the following welding process: SMAW (Shielded Metal Arc Welding) - Welding</p> <p>Make satisfactory welds in all positions on pipe using the following welding process: SMAW (Shielded Metal Arc Welding)</p> <p>Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Assignment - Lab - Student laboratory welding assignments that consist of a 5G Pipe.</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 5G Pipe: 80%, 80%, 89%, 89%, 80%, 80%, 89%, 89%</p> <p>Results Analysis: Students made satisfactory welds in all positions using the SMAW process on pipe (09/09/2019)</p>	<p>Action: The welding process that has been used in the past (SMAW) will be replaced with GMAW and FCAW welding processes to help improve local industry by decreasing waste and increasing productivity. (09/09/2019)</p>
<p>Cutting Make satisfactory cuts with the following process: PAC (Plasma Arc Cutting) - Cutting</p> <p>Make satisfactory cuts with the following process: PAC (Plasma Arc Cutting)</p> <p>Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Assignment - Lab - Student laboratory assignment will demonstrate the correct use of the PAC 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 laboratory assignments.</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes PAC: 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 PAC 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 Next Assessment: 2023-2024</p>	<p>Exam - Student Safety Test. 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 Criterion Met: Yes Safety Test: 94%, 95%, 96%, 93%, 93%, 88%, 84%, 95%</p> <p>Results Analysis: 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>