

# Assessment: Assessment Unit Four Column

## Program - Welding Technology

Outcomes	Assessment Tools	Results	Actions
<p><b>Welding problems</b> - Trainees will be able to solve weld problems, welded joint design, match correct filler metal to base metal using the AWS D1.1 and related reference materials included in the trainee Weld book and Weld library in class room.</p> <p><b>Outcome Status:</b> Active  <b>Outcome Type:</b> Curricular  <b>Start Date:</b> 08/17/2010  <b>End Date:</b> 06/30/2014</p>	<p><b>Direct</b> - AWS written Inspection Test and Instructor mentoring involving code practices, destructive bend testing, visual contour acceptance profiles, corrective procedures for solving problems using trainees welds and samples provided for individual and class discussion. Qualification of cutting, prepping and welding - welds to AWS D 1.1 standards.</p> <p><b>Benchmark:</b> 80% of trainees pass AWS Inspection test at an 75% or better.            100% of trainees will subject their welds to inspection.</p> <p><b>Schedule:</b> Weld inspection and testing: Fall            Arc Welding of plate: Fall            Structural qualification of plate: Spring</p> <p><b>Indirect</b> - NCCER Module exam: SMAW Groove Welds - 29111-15            NCCER Module exam: Weld quality 29016-15</p> <p><b>Benchmark:</b> 80% of trainees will pass the NCCER module exam with a 70% or better.</p>	<p><b>Action Status:</b> Action Plan in Progress  <b>Result Type:</b> Benchmark Not Met            15 out of 17 trainees passed the AWS welding inspection exam With an 80 % or better. (05/15/2018)</p> <hr/> <p><b>Action Status:</b> Action Complete  <b>Result Type:</b> Benchmark Met            21 out of 21 (05/24/2011)</p>	

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<p><b>Employability skills</b> - Welding trainees will demonstrate entry level employability skills by completing Certificate C of the Welding Program alignment</p> <p><b>Outcome Status:</b> Active  <b>Outcome Type:</b> Curricular  <b>Start Date:</b> 08/17/2010  <b>End Date:</b> 06/30/2014</p>	<p><b>Schedule:</b> Weld inspection and testing: Fall  Arc welding of plate: Fall  Structural qualification of plate: Spring</p> <p><b>Direct</b> - This is assessed with the AWS guided bend test in accordance with AWS D1.1 Welding code  <b>Benchmark:</b> 80% of all fulltime trainees completing two semesters advancing to C Certificate by fulfilling a benchmark score of 80% or greater on the AWS SENSE Level 1 tests and qualifying with 2 processes.</p> <ol style="list-style-type: none"> <li>3 pass Fillet welds all position</li> <li>Qualifications AWS D1.1 3/8 plate with pass on destructive tests</li> </ol> <p><b>Schedule:</b> Welding print reading WE1043: Fall  Structural qualification WE 1103: Spring  Welding codes and standards WE 1101: Fall</p> <p><b>Indirect</b> - Kansas Work Ready Silver Certificate, (work keys assessment)  <b>Benchmark:</b> 80% of students will achieve a silver certificate  <b>Schedule:</b> Grad assessment day: Spring</p>		
<p><b>Critical Thinking</b> - Trainee's will be able to draw, communicate, and assess the assembly of their own project. Including process, filler metal choices and job costing.</p> <p><b>Outcome Status:</b> Active  <b>Outcome Type:</b> Curricular  <b>Start Date:</b> 08/23/2010  <b>End Date:</b> 06/30/2014</p>	<p><b>Directly related to Objective</b></p> <p><b>Direct</b> - Rubric, sketches and drawings, verbal communication of choices and sources of information cited.  <b>Benchmark:</b> 80% of trainees achieve</p>	<p><b>Action Status:</b> Action Plan in Progress  <b>Result Type:</b> Benchmark Met  21 of 21 students successfully completed their project. (06/21/2011)</p> <p><b>Action Status:</b> Action Plan in Progress  <b>Result Type:</b> Benchmark Not Met  Implementation of the critical thinking rubric needed for benchmark completion. (05/15/2018)</p> <p><b>Action Status:</b> Action Complete</p>	

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	<p>3 or greater rating in each category of the SCCC critical thinking rubric  <b>Schedule:</b> Blue print Reading WE 1043: Fall  Arc principles and practices, WE 1023: Spring</p> <p><b>Indirect</b> - Rubric, sketches and drawings, verbal communication of choices and sources of information cited  <b>Benchmark:</b> 80% of trainees achieve 3 or greater rating in each category of the SCCC critical thinking rubric  <b>Schedule:</b> Blue print Reading WE 1043: Fall  Arc principles and practices, WE 1023: Spring</p>	<p><b>Result Type:</b> Benchmark Met  9 out of 10 students completed the AwS drawing exam with a minimum passing score of 75% (05/18/2017)</p>	
<p><b>Weld Safety OSHA 10</b> - Through a variety of classroom and/or lab learning and assessment activities, students in this course will: explain job/site safety and precautions for job/site hazards; determine the uses of personal protective equipment (PPE); identify the safety equipment and procedures related to safe work practices and environment; identify fire prevention and protection techniques; explore Hazard Communication (HazCom) including Safety Data Sheets (SDS).  <b>Outcome Status:</b> Active</p>	<p><b>Direct</b> - OSHA 10 General Industry exam  <b>Benchmark:</b> 80% of students will pass the OSHA exam within the passing range set forth by the instructor and Occupational Health and Safety Administration  <b>Schedule:</b> OSHA 10 Fall  OSHA 10 Spring</p> <p><b>Indirect</b> - OSHA 10 General Industry exam  <b>Benchmark:</b> 80% of students will pass the OSHA exam within the passing range set forth by the instructor and Occupational Health and Safety Administration  <b>Schedule:</b> OSHA 10 Fall  OSHA 10 Spring</p>		