

WSC Program Outcome Guide (POG) for Welding Technology

Approved Spring 2016

Prerequisites	Courses	Capstone Assessment Tasks	Intended Outcomes
<ol style="list-style-type: none"> 1. High school diploma or GED 2. Acceptance to WSC 	<p>WELD 110 Introduction to Welding Lab</p> <p>WELD 151 Welding Theory, Technology and Safety</p> <p>WELD 109 Blueprint Reading for Welders</p> <p>WELD 153 SMAW Welding Lab</p> <p>WELD 121 Welding Theory and Safety for Semi-Automatic Processes</p> <p>WELD 122 Wire Feed and Welding Certification Lab</p> <p>WELD 131 Layout and Pattern Making Basics</p> <p>WELD 213 Metal Fabrication Lab</p> <p>WELD 209 Pipe and Pipe Layout</p> <p>WELD 210 Pipe Welding Lab</p> <p>WELD 214 GTAW Lab & Lecture</p> <p>WELD 215 Specialty Weld Process</p> <p>WELD 220 Basic Metallurgy</p>	<ol style="list-style-type: none"> 1. Acquire the American Welding Society (AWS) D1.1 Structural Certification and/or API 1104 Pipe and/or ASME IX, Boiler and Pressure Vessel Certification 2. Successful completion of the Welding Technology program 	<p>The graduate will:</p> <ol style="list-style-type: none"> 1. Be able to weld with SMAW, FCAW, GMAW, and TIG in all positions with a variety of metals and alloys. 2. Acquire the American Welding Society (AWS) D1.1 Structural Certification and/or Section IX AMSE/API 1104 Pipe Certification 3. Be able to measure and cut material accurately 4. Read and understand blueprints and welding symbols 5. Work safely in the modern welding industry

<p>What must the student be able to do before engaging in this work?</p>	<p>What learning experiences (courses) are necessary to prepare the student?</p>	<p>What can we have students do in this program to show final evidence of the intended outcomes?</p>	<p>What do students need to be able to DO “out there” for which this</p>
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