

**Department: Welding**

**Degree or Certificate: Associate of Applied Science**

**Program Curriculum Map: Created 9/13/18**

<b>Program Outcome (PO) 1:</b>	Understand and appropriately use terminology common to the welding trade as defined by the American Welding Society (AWS) (SLO: Foundational Knowledge)	<b>External Certification Source</b>	American Welding Society <a href="http://www.aws.org/w/a/">http://www.aws.org/w/a/</a>
<b>Program Outcome (PO) 2:</b>	Demonstrate the ability to properly prepare and set up weld performance tests applicable to diverse industry applications. (SLO: Application)		
<b>Program Outcome (PO) 3:</b>	Demonstrate appropriate measurement methods calculating for all process parameters of the welding application. (SLO: Integration)		
<b>Program Outcome (PO) 4:</b>	Demonstrate the ability to correctly identify weld defects and convert them to a sound weld through required technique and parameter corrections appropriate to the end		
<b>Program Outcome (PO) 5:</b>	Demonstrate the ability to properly prepared and complete bend tests to ensure quality of the end product. (SLO: Caring)		
<b>Program Outcome (PO) 6:</b>	Successfully complete welder qualification test welds on steel in the desired welding specialty areas. (SLO: Learning to Learn)		

	<b>Course</b>	<b>PO 1</b>	<b>PO 2</b>	<b>PO 3</b>	<b>PO 4</b>	<b>PO 5</b>	<b>PO 6</b>
Welding Theory I	WPT 111	I					
Welding Lab I	WPT 112	R					I
Welding Theory II	WPT 113	A					
Welding Lab II	WPT 114					I	R
Welding Qualification Prep	WPT 161		I	I	I	R	A
Welding Fabrication I	WPT 211			R	R	A	
Intro to Welding Automation	WPT 260			A			
Welding Fabrication II	WPT 212		R		A		
Weld Quality Testing	WPT 213		A				