

**Program Name: Welding (Semester 1)**

Alignment Matrix: Purpose is to show, for each stated student learning outcome, where the student has an opportunity to learn the outcome and where student achievement of the outcome is assessed.

<b>Required Program Courses/Experiences</b>	Sem. 1 WLD 100 Intro	Sem. 1 WLD 110 Print Reading	Sem. 1 WLD 120 Thermal Processes	Sem. 1 WLD 140 SMAW	Sem. 1 WLD 150 Fabrication			
<b>Program Outcomes</b>								
Technical Competency	I		R/A	R/A	R			
Core Knowledge Base	I	R/A	R	R	R			
Professionalism	I		R	R				
Problem Solving Skills		I			R/A			
Effective Communication		I			R			
Industry Standards	I/R/A	R	R	R	R			
<b>GCC ILO's</b>								
Critical Thinking and Information Competency	I	R			R			
Community and Global Consciousness and Responsibility		I			R			
Communication and Expression		I			R			
Quantitative and Technological Competence	I	R	R	R	R			

“I” denotes outcome introduced.

“R” denotes outcome reinforced.

“A” denotes courses or experiences in program level assessment occurs. (“A” should only take place in courses with the “R” designation)

**Program Name: Welding (Semester 2)**

Alignment Matrix: Purpose is to show, for each stated student learning outcome, where the student has an opportunity to learn the outcome and where student achievement of the outcome is assessed.

<b>Required Program Courses/Experiences</b>	Sem. 2 WLD 160 GMAW/ FCAW	Sem. 2 WLD 170 Metallurgy	Sem. 2 WLD 180 GTAW	Sem. 2 WLD 220 Inspection	Sem. 2 WLD 240 Qualification			
<b>Program Outcomes</b>								
Technical Competency	R/A		R/A		A			
Core Knowledge Base		R/A						
Professionalism				R	A			
Problem Solving Skills			R					
Effective Communication				R	R			
Industry Standards		R		R				
<b>GCC ILO's</b>								
Critical Thinking and Information Competency		R		A				
Community and Global Consciousness and Responsibility	R			R/A				
Communication and Expression			R					
Quantitative and Technological Competence			R		A			

“I” denotes outcome introduced.

“R” denotes outcome reinforced.

“A” denotes courses or experiences in program level assessment occurs. (“A” should only take place in courses with the “R” designation)