

**MoManufacturingWINS Curriculum Review Rubric
Fall 2014/Spring 2015**

Program Reviewed: Introduction to Welding

College: State Technical College of Missouri

Reviewed By: Kendall Davis

Date: 5-22-15

Review scale definitions:

Exceptional: Review component is a "best practice" and represents a model for replication.

Very good: Review component is complete and effective.

Good: Review component is adequate but presents opportunities for improvement.

Ineffective: Review component is weak and in need of significant improvement.

No or Insufficient Evidence: Review component was not covered or information provided in the documents was insufficient for assessment.

Curriculum Map, Career Ladder/Stackable Credential Documentation, Syllabi	Excellent	Very Good	Good	Ineffective	No/Insufficient Evidence
1. Program CIP code/s appropriate to program title and outcomes.			1		
2. Effective program structure (prerequisites, course sequence, stackable credential-structure provide a clear, logical path to completion).		2			
3. Outcomes aligned to occupational focus (industry skills and standards) and prepare students for appropriate industry certification/s.			3		
4. Outcomes are clearly stated.			4		
5. Outcomes are introduced and reinforced effectively.			5		
6. Course objectives are clearly stated and measurable.			6		
7. In multi-course programs, course objectives support one or more program or student learning outcome. In single-course programs, modules support one or more course objective.			7		

Comments or recommendations specific to each section rated:

- 1.
- 2.
3. Modules 1 thru 5 cover mainstream welding & cutting practices on an introductory level good. However modules 2 thru 5, it is my recommendation, that the program needs to introduce more welding positions other than 1F & 2F. In addition to groove plates to weld on. Overall general industry requires to weld, test, and pass out of position welds such as 3F, 4F & 3G, 4G respectively. Because of time constraints of the program this could be prohibitive.
- 4.
- 5.
- 6.
- 7.

General comments or recommendations:

Instructional Materials and Lab Resources	Excellent	Very Good	Good	Ineffective	No/Insufficient Evidence
1. Support stated course or unit learning objectives.		1			
2. Meet/reflect current industry practices and standards.		2			
3. Provide options for multiple learning styles.		3			
4. Instructional materials are cited properly.		4			
5. There is evidence of materials and resources that support on-line or technology-enabled learning.		5			
<p>Comments or recommendations specific to each section rated:</p> <p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>5.</p> <p>General comments or recommendations: Instructional Materials and Lab Resources are sited very good.</p>					

Overview Table: Objectives, Modules/Units, Learning Activities and Assessments	Excellent	Very Good	Good	Ineffective	No/Insufficient Evidence
1. Modules/units are linked to course objectives.		1			
2. Learning activities promote achievement of stated module/unit objectives.		2			
3. Learning activities provide opportunities for interaction and active learning.		3			
4. Learning activities provide options for multiple learning styles.		4			
5. Learning activities are linked to current industry practices, standards and certifications.		5			
6. Learning activities demonstrate evidence of innovation or enhancements to support adult learner success.	6				
7. Materials/resources (to include equipment, tools and software) are used in a way that students understand their purpose and use in industry settings.		7			
8. Assessments measure stated learning objectives and link to industry standards.		8			
9. Assessments align with course activities and instructional materials and resources.		9			
10. Assessments are sequenced throughout the instructional period to enable students to build on feedback.		10			
11. Assessments are varied and appropriate to content.		11			
12. Assessments provide opportunities for students to measure their own learning progress.		12			
Comments or recommendations specific to each section rated:					
1.					
2.					
3.					
4.					

5.

6. The module program is excellent evidence of innovation and enhancement of the adult learner. Being exposed to that many processes is well rounded.

7.

8.

9.

10.

11.

12.

General comments or recommendations: In general the program is a good introduction for employment entry to entry level employee for welding. It would be my recommendation that the welders need to be introduced to out of position welding instead of just a flat position to a horizontal position. In most general industry welder qualifications include a vertical and/or overhead position weld tests for qualification. I do understand with the large module curriculum presented, it would be time prohibitive to expand into more positions or plates to weld.

Innovative or Enhanced Strategies	Excellent	Very Good	Good	Ineffective	No/Insufficient Evidence
1. Evidence of industry input/standards in program design and curricular components.		1			
2. Evidence of program enhancements to support the adult learner.		2			
3. <i>If program has run long enough</i> , is there evidence that program design and curricular components and enhancements are resulting in good or improving completion rates?			3		

Comments or recommendations specific to each section rated:

- 1. Good introduction to several welding and cutting processes.
- 2. The program does enhance the adult learner.
- 3. Completion rates are satisfactory, upon documentation supplied.

General comments or recommendations: