



Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

Signature Program: Welding

College: Iowa Western Community College

Reviewer Name: Douglas M. Rupik

Reviewer Signature: 

Date: 3/8/16

Review Definitions & Instructions

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

Effective: Review component is complete and effective.

Opportunity to Improve: Review component is not complete and/or could be improved.

N/A: Review component not reflected or addressed in material.

Comments and Recommendations: Remarks should be reflective of the subjects covered in that section. If any review component is marked as an opportunity for improvement, a comment or recommendation must be provided in reference to the rating.



- Program Introduction & Overview - Program Pathway - Curriculum Map	Exceptional	Effective	Opportunity to Improve	N/A	Comments & Recommendations
1. Priority 1: Develop stacked and latticed pathway in signature program providing a clear and logical path to completion		X			Program consists of one non-credit and one credit course which can be applied to AAS and BS degrees.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications	X				Combination welding certificate includes an American Welding Society (AWS) certification test. Recently, over 75% of the students passed certification tests.
3. Priority 1, Strategy 1: Instructors certified per industry standards			X		Recommend instructors attain AWS Certified Welding Inspector (CWI) and Certified Welding Educator (CWE) credentials.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum	X				All students take the NCRC test to determine math, information research, and reading competencies.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming	X				Pathway from non-credit course to credit course is seamless. Instructor qualifications for credit and non-credit class are identical. Course objectives for non-credit and credit are mirrored.
6. Priority 2, Strategy 4: UofI online BAS incorporated into program pathway		X	See comment		University of Northern Iowa Bachelor of Science degree in Construction Management May be attained.

- Course Information: Syllabi & Instructional Materials	Exceptional	Effective	Opportunity to Improve	N/A	Comments & Recommendations
1. Priority 1, Strategy 1: Course competencies are aligned to relevant industry certifications	X				Syllabus for WEL 149 indicates AWS welder certification as one of the course competencies.
2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards	X				Program uses the text "Modern Welding" 10 th edition, which is current with industry. Lab equipment includes power sources for performing a variety of welding processes currently used in industry.



3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate			X		Program content delivered by classroom lecture and hands on lab. Recommend investigating feasibility of offering online or blended learning options to supplement welding lecture content.
4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum	X				Welding simulator is used for basic skills training for students with little or no welding experience.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training			X		Recommend investigating feasibility of offering online training options to supplement hands-on training.

- Statement of Grant Impact	Exceptional	Effective	Opportunity to Improve	N/A	Comments & Recommendations
1. Priority 1, Strategy 3: Evidence of strengthened credit for prior learning options within program	X				Credit for prior learning polices have been updated and expanded. Students who complete the non-credit course are automatically given credit for the credit course.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum			X		Recommend investigating feasibility of incorporating digital literacy into curriculum.
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning	X				The majority of welding students come through the GAP or PACE programs. These programs use incorporate remedial training via Career Ready 101
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program	X				Program Coordinator and Pathway navigator both work closely with students to help them stay motivated, inform them of available resources and complete the program.
5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components	X				Iowa Western has multiple companies on the advisory board. These companies provide guidance on industry needs and necessary skills employees need.

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