



## Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

**Signature Program: Welding**

**College: Western Iowa Community College**

**Reviewer Name: Douglas M. Rupik**

**Reviewer Signature:**

A handwritten signature in black ink, appearing to read "Douglas M. Rupik", is written over a light gray rectangular background.

**Date: 3/26/16**

### 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.



- <b>Program Introduction &amp; Overview</b> - <b>Program Pathway</b> - <b>Curriculum Map</b>	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				Pathway features a number of stackable certificates and diplomas latticed to exits to employment at each completion point, and latticed with entry from non-credit program.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications	X				Program outcomes are aligned to American Welding Society (AWS) and American Society of Mechanical Engineers (ASME) certification standards. Program is in the process of becoming an AWS Accredited Testing Facility (ATF) able to offer welder certification tests. OSHA 10 safety certificate is also offered.
3. Priority 1, Strategy 1: Instructors certified per industry standards		X			One instructor is an AWS Certified Welding Inspector / Educator (CWI / CWE) and a certified welder. Recommend each instructor attain AWS CWI/CWE credential, and be certified in the welding processes they teach.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum		X			Students are given the opportunity to take the NCRC exam at no cost at the beginning of their academic career.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming			X		Non-credit courses are created for customized training. Standard curriculum does not exist. Recommend developing process to align non-credit with credit programming.
6. Priority 2, Strategy 4: Uofl online BAS incorporated into program pathway		X			Students are informed of the opportunity to pursue a four year or further degrees at Universities of Iowa and Northern Iowa.

- <b>Course Information: Syllabi &amp; Instructional Materials</b>	Exceptional	Effective	Opportunity to Improve	N/A	Comments & Recommendations
1. Priority 1, Strategy 1: Course competencies are aligned to relevant industry certifications	X				Competencies are aligned to AWS d1.1 Structural Steel Welding and ASME section IX codes.
2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards	X				Program uses the textbooks, "Welding Principles and Applications", which is AWS SENSE aligned, and "Blueprint Reading for Welders". Both are current with industry standards.



3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate			X		No online or blended delivery options for welding courses. Recommend investigation and implementation of optional online delivery of non-lab course content.
4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum			X		Documentation does not specify any simulators or state of the art technology. Recommend investigation and implementation.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training			X		No online or blended delivery options for welding courses. Recommend investigation and implementation of optional online delivery of non-lab course content.

- 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 policies are clearly established and communicated.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum		X			Career Ready 101 online training is offered to welding students.
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning	X				Contextualized math has been offered to welding students, enabling a greater number to successfully complete diploma program. Other CTE programs are adopting this model.
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program	X				Pathway Navigator is assigned to welding students. "Tool and Administrative Days" is an orientation session specifically for welding students. Students are informed of advising plan.
5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components	X				Employer representatives sit on Advisory Board, visit classrooms, offer site tours, as well as internships to students. Employers also contribute to development of non-credit welding program courses as it relates to their needs.

This workforce solution is funded by the I-AM Consortium which is 100% financed through a \$12,951,165 grant from the Department of Labor's Employment & Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership

This work is licensed under the Creative Commons Attribution 3.0 Unported License. To view a copy of this license, visit <http://creativecommons.org/licenses/by/3.0/> 