



## Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

**Signature Program:** Advanced Welding Technologies

**College:** Kirkwood Community College

**Reviewer Name:** Douglas M. Rupik

**Reviewer Signature:**

**Date:** 3/25/16

### 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.

<ul style="list-style-type: none"> <li>- Program Introduction &amp; Overview</li> <li>- Program Pathway</li> <li>- Curriculum Map</li> </ul>	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 features stacked credentials, beginning with non-credit PACE welding certificate, credit welding diploma, and Welding A.A.S., with option to continue to B.A. or B.A.S. Pathway is latticed with multiple exits to employment.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications	X				Industry certifications in outcomes include American Welding Society (AWS) welder certification, OSHA 10-hour safety, first aid/CPR, and forklift certifications.
3. Priority 1, Strategy 1: Instructors certified per industry standards	X				Two instructors are AWS Certified Welding Inspectors/Educators (CWI/CWE) and have A.A.S. Third instructor has a welding diploma. Recommend third instructor attain CWI/CWE credential.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum	X				NCRC has been incorporated into program as a graduation requirement.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming	X				Non-credit KPACE bridge program articulates to the credit diploma and degree program.
6. Priority 2, Strategy 4: Uofl online BAS incorporated into program pathway	X				Uofl BAS and UNI BA in Technology Management degrees are incorporated into pathway. Students are advised regarding these degree options.

<ul style="list-style-type: none"> <li>- Course Information: Syllabi &amp; Instructional Materials</li> </ul>	Exceptional	Effective	Opportunity to Improve	N/A	Comments & Recommendations
1. Priority 1, Strategy 1: Course competencies are aligned to relevant industry certifications	X				Course competencies specifically include welder certification testing to AWS D1.1 Structural Steel welding code standards.
2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards	X				Program uses texts from Hobart School of welding, which are AWS SENSE aligned and are current with industry standards. Shop equipment reflects current industry standards.



3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate			X		Delivery method of non-lab course material is traditional face to face lecture. Recommend investigation into and implementation of online or blended delivery options for non-lab content.
4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum	X				Virtual reality welding simulator is used at the beginning of student's learning process and for targeted skills building.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training			X		Delivery method of non-lab course material is traditional face to face lecture. Recommend investigation into and implementation of online or blended delivery options for non-lab 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 (CPL) incorporates work-based learning articulation through portfolio submission as well as the process to award credit for non-credit to credit pathway programs.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum	X				"Technology Integration for Welders" course offers basic instruction in Microsoft Office, email, and internet search techniques.
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning	X				Students in need of remediation are given access to Career Ready 101 and tutoring support for academics. Contextualized learning is ensured by using instructors with industry experience and welding internships in industry.
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program	X				Intensive advising occurs at recruitment, enrollment (Compass testing, transcripts, financial aid application), mandatory advising, and student orientation.
5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components	X				College maintains strong relationship with regional employers on the Advanced Welding Advisory Committee. Industry partners have committed time and resources to the development of the program.

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