



## Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

**Signature Program:** Welding

**College:** Iowa Lakes Community College

**Reviewer Name:** Douglas M Rupik

**Reviewer Signature:** 

**Date:** 3/6/16

### 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				Non-credit certificates are stackable, and with Prior Learning Assessment, may be applied to credit certificate. Credit certificate is stackable to diploma.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications	X				Facility is an American Welding Society (AWS) Accredited Testing Facility. D1.1 Structural Welding Code certification tests are offered to students.
3. Priority 1, Strategy 1: Instructors certified per industry standards	X				Two instructors are AWS Certified Welding Inspectors (CWI) and Certified Welding Educators (CWE). Recommend third instructor attain same certifications.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum	X				NCRC is incorporated into the welding program. Students may test free of charge year round.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming	X				Non-credit course offerings are correlated to credit offerings. With industry certifications, students may obtain credit for previously taken continuing education/non-credit courses.
6. Priority 2, Strategy 4: UofI online BAS incorporated into program pathway		X			Students interested in BAS are directed toward needed courses. Recommend investigation on feasibility of developing AAS degree.

- <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				Syllabi indicate competencies include performing AWS compliant welds, and preparing students to pass an AWS certified welder test. Taking the certification test is recommended for successful completion of the courses.

2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards	X				Course readings are from Hobart Institute of Welding Technology, and are AWS SENSE aligned. New welding power sources used in lab are current with industry standards.
3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate	X				Students are offered a range of general education as well as welding classes online. Iowa Lakes has live interactive classes between five campuses via its own TV station.
4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum	X				Program has acquired Lincoln virtual reality welding simulator and a robotic welder. Instructors have training in the use of the robotic welder, and it is incorporated into the WEL 179 Special Processes course.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training	X				Online tutorials for welding students are used for lecture portions of welding classes.

- 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				A Prior Learning Assessment committee has been formed continually review and update policy. Committee meets quarterly.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum	X				Program utilizes online instruction and tutoring.
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning	X				Services offered include Learning Style Analysis, assessment testing, refresher courses, and tutoring. Contextualized learning is accompanied via lab assignments and fabrication of items to be used by industry and the college.
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program	X				Enrollment coaches, pathway navigators, a completion specialist, and other administrative staff monitor student progress, guide and assist students to successful completion and employment.



5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components	X				Area employers are active on advisory board. Advisory board assists in forming curriculum that reflects skills needed for employment. Board members also donate materials that may be used in student training.
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