



## Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

**Signature Program: Welding**

**College: Indian Hills Community College**

**Reviewer Name: Douglas M Rupik**

**Reviewer Signature:**

**Date: 3/3/16**

### 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 multiple non-credit certificates that may be converted to credit and stackable to a welding diploma, and AAS degree. Multiple entry points to program and exit points to employment.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications	X				Courses are aligned with American Welding Society (AWS) SENSE standards. IHCC is an AWS Accredited Testing Facility, and students may obtain AWS certified welder credential through program.
3. Priority 1, Strategy 1: Instructors certified per industry standards	X				One instructor is an AWS Certified Welding Inspector (CWI), another instructor is an AWS Certified Associate Welding Inspector (CAWI). Recommend each instructor attain CWI status, a highly respected credential in industry.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum	X				NCRC embedded into Career Skills Development class. All welding diploma and degree students are required to complete course to meet graduation requirements.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming	X				Four non-credit certificates may be converted to credit. All four certificates are mirrored to credit courses.
6. Priority 2, Strategy 4: Uofl online BAS incorporated into program pathway	X				IHCC AAS degree is transferrable to multiple four year institutions offering BAS degrees, including Uofl.

<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				Syllabi indicate competencies are aligned to AWS codes or standards.
2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards	X				Program utilizes a variety of readings that are current with industry standards. Most of these readings are from the Hobart Institute of Welding, which is AWS SENSE aligned.



3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate	X				Twelve welding courses may be taken online, in addition to lecture and lab courses.
4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum	X				Program utilizes Lincoln virtual reality welding simulator.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training	X				Twelve online welding courses supplement hands-on lab 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				IHCC created institution-wide credit for prior learning policy. Up to eighteen credits may be granted for life and work experience.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum	X				Skills Tutor, an online student tutoring program, is utilized to increase digital literacy.
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning	X				All students have access to online Skills Tutor, as well as a tutoring center on campus. Faculty are available to students all day. Academic progress is monitored by Career Coordinator.
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program	X				Students meet with career coach individually each term. Students must attend orientation and are informed of available services. Students are advised on program of study, internships, completion, graduation requirements, and employment opportunities.



5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components	X			Several area employers have partnered with IHCC. Of note are John Deere and Vermeer. The welding advisory committee includes several industry representatives, including AWS president Dave Landon. Committee members participated in the development of curriculum and provided training to faculty.
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