



## Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

**Signature Program:** Welding

**College:** Northeast Iowa 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				Pathway is clearly from non-credit Career Pathway Certificate to credit Welding diploma, applied Management AAS, and Uofl BAS. Program is latticed with exits to employment at each completion.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications	X				Outcomes include demonstrating welding proficiency to American Welding Society (AWS) D1.1 Structural Steel welding code. Students may take welder certification tests at other colleges that are AWS Accredited Testing Facilities. Program also offers a number of certifications through Manufacturing Skill Standards Council.
3. Priority 1, Strategy 1: Instructors certified per industry standards			X		Instructors are AWS certified welders. Recommend all instructors attain Certified Welding Inspector /Educator credential.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum	X				All incoming students are tested with the NCRC assessment. Students that score “silver” or higher are permitted direct entry into program.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming	X				Modularization of curriculum allows alignment of non-credit to credit programming. Students completing noncredit classes and continuing to credit program receive credit for competencies gained.
6. Priority 2, Strategy 4: Uofl online BAS incorporated into program pathway	X				Uofl and UNI BAS is incorporated into educational pathway.

- 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				Syllabi indicate competencies include welding to AWS, ASME, and API codes.
2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards	X				Program uses ToolingU online curriculum, which is current with industry standards.



3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate	X				Program uses ToolingU online curriculum. Online coursework allows students 24/7 access, and allows instructors more time assisting students in lab.
4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum		X			Lab is equipped with state of the art welding power sources that are current with industry standards.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training	X				Program uses ToolingU online curriculum. Supplements lab work and 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				AWS standards are used to assist in assessing prior learning experience. AWS certified welder credentials are accepted as proof of prior learning.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum	X				Digital literacy is embedded into the program via use of ToolingU online curriculum.
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning	X				Incoming students who score lower than “silver” on the NCRC assessment are provided remedial assistance in basic education or math.
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program		X			Incoming students who score lower than “silver” on the NCRC assessment are assigned a career coach
5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components	X				Over 30 employer partners support the program financially and through expert advising.

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