



Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

Signature Program: Welding

College: Des Moines Area Community College

Reviewer Name: Douglas M Rupik

Reviewer Signature:

Date: 2/15/16

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.

- Program Introduction & Overview - Program Pathway - Curriculum Map	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				Stackable credentials beginning with NC courses, students are prepared for industry at multiple points of their educational careers.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications	X				Program is geared toward American Welding Society (AWS) certifications, which are recognized nationwide, and are often a requirement for employment.
3. Priority 1, Strategy 1: Instructors certified per industry standards	X				Two instructors are AWS Certified Welding Inspectors (CWI), with a third instructor pending. Recommend each instructor obtaining this credential, as well as being certified in each welding process taught.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum	X				NCRC has been incorporated into Non Credit (NC) classes.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming	X				MIG NC classes can be stacked for credit. Recommend NC classes be developed for other welding processes as industry needs dictate.
6. Priority 2, Strategy 4: UofI online BAS incorporated into program pathway	X				Program diplomas and degrees can be applied to online BAS with University of Iowa.

- 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				Courses are designed to prepare students to successfully pass AWS certification tests.
2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards	X				Program utilizes AWS SENSE and Hobart School of Welding materials.



3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate	X				Use of online videos for web-enhanced instruction.
4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum	X				Use of virtual reality welding simulators to supplement lab instruction with real-time feedback on student technique.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training	X				Online availability of Hobart training videos as class supplement. Offering of OSHA 10 safety classes online.

- 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			Existing Credit Prior Learning is being strengthened by streamlined paperwork and increased marketing efforts. Recommend completion of plans to offer credit for apprenticeship studies ASAP.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum			X		Program navigator and Continuing Education partners alert students of available computer related classes. Recommend addition of a computer literacy class in program.
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning		X			Tutor has been added to assist students in general education classes (Math, English, etc.). Contextualized learning via field trips, employer presentations, and SkillUSA can be bolstered by an internship requirement.
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program	X				Pathway navigator has been added. Traditional and non-traditional students are assisted in negotiating the college experience. Documentation does not specify role navigator plays in student recruitment or job placement, recommend these be addressed if not currently incorporated in navigator's role.



5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components		X			Almaco and Vermeer only are mentioned by name as industry advisors. These are major local manufacturers. Recommend inclusion of employers representing other industries be added to advisory board.
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