



Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

Signature Program: Welding

College: North Iowa Area Community College

Reviewer Name: Douglas M. Rupik

Reviewer Signature:

A handwritten signature in black ink, appearing to read "Douglas M. Rupik", is written over a light gray rectangular background.

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.



- 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				Program features stacked non-credit certificate, credit certificate, and diploma. Pathway is latticed with different exit points to employment
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications	X				Students have opportunity to take American Welding Society (AWS)welder certification test at completion of diploma. NIACC welding is recognized by Manufacturing Institute for teaching to industry standards. Welding curriculum is aligned to AWS SENSE standards.
3. Priority 1, Strategy 1: Instructors certified per industry standards			X		Recommend instructor attain AWS Certified Welding Inspector/Educator (CWI/CWE) and Certified Welder credentials.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum	X				NCRC has been embedded into curriculum. Each student is given a Career Ready 101 account
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming	X				Non-credit Production Welding course aligns with credit WEL 244 course. Students who successfully complete Production Welding and continue onto credit program are given 2 semester hours of credit.
6. Priority 2, Strategy 4: Uofl online BAS incorporated into program pathway		X			Students are advised and informed of opportunity to pursue Uofl online BAS.

- 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 performance of welding to AWS standards, and recommendation to take AWS welder certification test. Welding curriculum is aligned to AWS SENSE standards.



2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards	X				Textbook is current with industry standards and practice. Shop equipment includes welding power sources, fume extraction, metal working and test equipment that are all standard and typical in current industry.
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				Students train on Lincoln Electric virtual reality welding simulator, which provides instant feedback of welding ability.
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) policies have been updated, new options have been examined and CPL has been mapped for better understanding.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum			X		Each student is given a Career Ready 101 online account, with instructions on use. Recommend more robust support regarding development of digital literacy for students.
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning	X				Students self-identify deficiencies via their Career Ready 101 account and are directed to appropriate support by advisor. Students experience contextualized learning via real world work environment being simulated in lab setting, field trips to manufacturing facilities, and attendance at job fairs and other recruiting events.
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program	X				Students have mandatory entrance and exit meetings with advisor, as well as by appointment. Students are navigated toward appropriate academic or financial support programs based on need.



5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components		X		Area employers are represented on NIACC Advanced Manufacturing Sector Board. Regular contact with local manufacturers is maintained. Employers provide feedback to NIACC regarding program.
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