



## Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

**Signature Program: Production Welding**

**College: Northwest Iowa 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: 3/24/16**

### 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				Non-credit, certification, diploma, and A.A.S. are stackable, latticed with multiple exits to employment in industry.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications	X				Curriculum map indicates course outcomes included students having skills necessary to pass American Welding Society (AWS) welder certification test. School is an AWS Accredited Testing Facility (ATF).
3. Priority 1, Strategy 1: Instructors certified per industry standards	X				Instructors possess industry certifications, including AWS Certified Welding Inspector and Educator (CWI and CWE), as well as NIMS and Autodesk Instructor certifications.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum		X			All production welding students are encouraged to participate in credentialing process.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming	X				Non-credit courses correspond directly to credit courses, with the same curriculum and certifications.
6. Priority 2, Strategy 4: Uofl online BAS incorporated into program pathway	X				Program pathway clearly leads to Uofl BAS. Students are advised of this option at different times during their academic career.

- 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 outcomes include qualification tests to AWS certification standards.
2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards	X				Textbooks used are current with industry standards and practice. Shop equipment reflects industry standards.
3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate	X				Hybrid and online instruction is used for classroom content, face to face instruction is utilized for lab.



4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum	X				WEL 700 Robotics Theory and Lab class utilizes a Fanuc robotic welder. Students learn programming and applications for new technology.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training	X				Hybrid and online instruction is used to supplement 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				NCC has completely reviewed and modified policies and procedures of credit for prior learning process. Current non-credit students may convert non-credit classes to credit classes.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum	X				Digital literacy is incorporated into multiple courses in production welding program.
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning	X				Career Ready 101 program has been added. Students have access to learning center for help with skills development. Lab assignments are contextualized in the sense that welding theory is exercised in hands on skill development.
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program		X			Career navigator has been added to program. Advisors participated in training on how to communicate with students about educational opportunities beyond the A.A.S.
5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components		X			Area manufacturing representatives serve on the welding advisory board.

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