Iowa Advanced Manufacturing Consortium
Curriculum Review Rubric

Signature Program: Machine Technology

College: Northwest Iowa Community College

Reviewer Name: Michael White

Reviewer Signature: Michael J White

Date: 4/13/2016

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			Clear logical pathway includes noncredit options, a diploma program and AAS degree with multiple exit points to employment.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications		X			Program outcomes align with NIMS certifications.
3. Priority 1, Strategy 1: Instructors certified per industry standards		X			Machining instructor has NIMS credentials and NCRC. CAD Instructor is Autodesk Certified
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum			X		Students are encouraged to take the NCRC. Recommend making NCRC a requirement for entry into the programs.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming		X			Noncredit courses are directly tied to corresponding credit classes and taught using the same certification curricula. When a student wants to convert a noncredit to credit they are aligned.
6. Priority 2, Strategy 4: UofI online BAS incorporated into program pathway		X			Students are made aware of possible future career pathways to the UofI online BAS degree.

- 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			Course competencies are well aligned with multiple NIMS credentials.
2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards		X			Instructional materials align with current industry requirements and standards.

3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate		X			Online content blended into courses through use of Immersive Technology online content.
4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum		X			Simulation incorporated through the use of Immersive online software and BobCAD interactive online code. Labs utilize state of the art technology such as CNC Mill, Reverse Engineering Arm, CAD/CAM software and 3D printer.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training		X			Immersive online content, Expert Tech online and BobCAD interactive online code incorporated into the 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			Credit for Prior Learning policy was reviewed and modified.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum		X			Digital literacy is embedded within multiple courses in the program.
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning		X			Career navigator supports student skill development. Majority of design technology classes involve extensive lab practice.
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program			X		Career navigator is available. Recommend multiple mandatory contact points throughout the program with either a career coach/navigator or faculty advisor.

5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components		X			Advisory Committee is in place.

This workforce solution is funded by the I-AM Consortium which is 100% financed through a $12,951,165 grant from the Department of Labor's Employment & Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership