



Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

Signature Program: Machine Technology

College: Northeast Iowa Community College

Reviewer Name: Michael White

Reviewer Signature: *Michael J White*

Date: 4/7/2016

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.

<ul style="list-style-type: none"> - 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 a noncredit certificate program that leads to diploma and then 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 and MSSC certifications. Students in noncredit certificate program must pass MSSC test to complete.
3. Priority 1, Strategy 1: Instructors certified per industry standards		X			One instructor has mold maker journeyman card, two have MSSC credentials, one has MSSC and NIMS credentials.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum	X				Students must score silver level or higher on NCRC to enter directly into the program.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming	X				Noncredit courses align with the credit courses in the General Machinist Diploma. Students that complete the noncredit program courses with C or better receive credits toward the diploma program.
6. Priority 2, Strategy 4: UofI online BAS incorporated into program pathway		X			University of Iowa BAS listed on the Program Pathway graphic.

<ul style="list-style-type: none"> - 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 and MSSC credentials.

2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards		X			Instructional materials align well 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 Tooling U online content.
4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum		X			Hass CNC Mill and Lathe simulators incorporated into the program. Labs utilize state of the art technology such as Haas CNC Lathes and Mills.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training		X			Online virtual learning curriculum (Tooling U) is embedded throughout the program.

- 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 updated to accept NIMS and MSSC certifications as proof of prior learning.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum		X			Digital literacy is embedded into the program through use of online virtual learning (Tooling U).
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning		X			Students that score less than silver level on NCRC are assigned a career coach and remedial assistance is provided in basic education or math.



4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program			X		<p>Career coach available for students that need assistance based on NCRC results.</p> <p>Recommend multiple contact points throughout the program with either a career coach or faculty advisor.</p>
5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components		X			<p>Over 30 employer partners that support the program.</p> <p>Many of the employers have pooled funds to create scholarships.</p>

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

This work is licensed under the Creative Commons Attribution 3.0 Unported License. To view a copy of this license, visit <http://creativecommons.org/licenses/by/3.0/>. 