



## Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

**Signature Program:** Machine Technology

**College:** Indian Hills Community College

**Reviewer Name:** Michael White

**Reviewer Signature:** *Michael J White*

**Date:** 3/28/2016

### 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			Clearly defined logical pathway beginning with a diploma and moving to AAS degree with two exit points to employment.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications		X			Numerous NIMS certifications are incorporated into the program.
3. Priority 1, Strategy 1: Instructors certified per industry standards		X			The two machining instructors have 14 NIMS certifications between them and both have completed NCRC.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum		X			NCRC is offered once a term to all Machine Technology students. To date 59 students have completed NCRC (in addition to two instructors and the program coordinator).
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming			X		Program does not contain a noncredit offering.  Recommend adding a noncredit offering. A noncredit offering could be used to provide a shorter path to employment or an opportunity for incumbent workers to upgrade their skills.
6. Priority 2, Strategy 4: Uofl online BAS incorporated into program pathway		X			All participants are made aware of BAS opportunities at a number of schools in Iowa including; University of Iowa, University of Northern Iowa, William Penn University and Buena Vista University.

- Course Information: Syllabi & Instructional Materials	Exceptional	Effective	Opportunity to Improve	N/A	Comments & Recommendations
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1. Priority 1, Strategy 1: Course competencies are aligned to relevant industry certifications	X				Multiple NIMS credentials are built into the curriculum.
2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards		X			Courses align with current industry requirements and standards.
3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate		X			Online courses are available.
4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum			X		Haas CNC simulators are utilized in the program.  May want to add more online virtual simulation options (Immersive/Master Task/Amatrol) to the training.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training		X			Three machining courses and five electives can be taken 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				New institution wide Credit for Prior Learning policy created and implemented. Students can obtain up to 18 technical credits through prior learning (portfolio, 3 <sup>rd</sup> party credentials, noncredit articulation, and credit by exam).
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum		X			Program contains one computer essentials course that is intended for students with limited computer skills.



3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning		X			<p>Students have access to Skills Tutor software and a tutoring center on campus.</p> <p>Courses are structured to provide participants an opportunity to apply what they learn in the classroom in the lab.</p>
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program	X				<p>Students are required to meet with a career coach at least once a term and academic progress is monitored.</p> <p>Faculty have an open door policy to help advise students.</p>
5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components	X				<p>Machining Advisory Committee in place. Several local companies are very active providing plant tours and classroom presentations.</p> <p>A 240 hour internship is a requirement in the AAS program.</p>

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