



Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

Signature Program: Industrial Mechanics

College: Iowa Central Community College (ICCC)

Reviewer Name: Allan Robertson

Reviewer Signature:

Date: March 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				Students were given several pathways to move from certificate to diploma to degree. Pathway allows students to move from non-credit to credit.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications		x			AWS certification is available to students with existing instructors.
3. Priority 1, Strategy 1: Instructors certified per industry standards	x				All welding instructors receive AWS certifications which allow students to be industry certified.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum	x				NCRC has been placed under workforce development. Students can use tests such as KeyTrain for NCRC certification. Proctors are available for students.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming	x				Advance Standing non-certificates were developed to create a seamless pathway from non-credit to credit classes.
6. Priority 2, Strategy 4: UofI online BAS incorporated into program pathway		x			Program pathway lists U of I as an option for any program

- 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			Reviews of curriculum map tasks are relevant to job expectations in today's industries. AAS, Diploma, Certificates, Non-Credit, and BS credentials are what is expected for manufacturing careers.
2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards		x			Text Examples are: Delmar's Standard Textbook of Electricity, 5th Edition (class ELE 114) and , <u>Machine Trades Blueprint Reading</u> , 2nd Edition (class IND 128)



3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate				x	Courses are being delivered as standard face to face instruction. Many of the students are having to complete some type of remediation which may be their first exposure to online/blended learning
4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum	x				Lincoln virtual welder is used for workforce training and recruitment of new students.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appraise to supplement hands-on training				x	I recommend that your program look at additional online IMT material from vendors such as: AMTEC, AMATROL, Tooling U, Lab Volt, Lincoln Welding, FANUC, Motoman etc. In many cases this online material can be used to supplement and create a blended learning environment.

- 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			An advance standing non-credit certificate was established. This model is being used by others for non-credit to credit courses.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum		x			Career Ready 101 has digital assessments IND 314 CMMS uses software
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning	x				Career Ready 101 was established so students could complete 25 hours of instruction with guided remediation in math, team building and the NCRC exam.
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program	x				Students accepted into this program are required to meet with a case manager and project manager. Advising sessions are available. Students are encouraged to pursue an advance standing option such as diploma, AAS, or BS degree.
5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components	x				Many partners are involved with this program including foundations and community based programs to industries such as Tyson. An example of industry involvement is allowing tours and visits. This same industry base has hired students from this program.

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