



## Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

**Signature Program:** Instrumentation and Automation Technology

**College:** Kirkwood Community College

**Reviewer Name:** Dan Larochelle

**Reviewer Signature:** 

**Date:** 5-13-16

### 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.



<b>Program Introduction &amp; Overview</b>	<b>Exceptional</b>	<b>Effective</b>	<b>Opportunity to Improve</b>	<b>N/A</b>	<b>Comments &amp; Recommendations</b>
- <b>Program Pathway Curriculum Map</b>					
1. Priority 1: Develop stacked and latticed pathway in signature program providing a clear and logical path to completion	X				KCC has three pathways available to Instrumentation and Automation Technology program students.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications	X				Third party certifications are offered over the duration of the program, including OSHA, Snap-On and NCRC.
3. Priority 1, Strategy 1: Instructors certified per industry standards	X				All instructors in the program have either an AAS or BS degree as well as relevant industry experience.
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum	X				NCRC required for the degree program.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming	X				The PACE Industrial Maintenance program is an approved method of awarding credit for prior learning.
6. Priority 2, Strategy 4: Uofl online BAS incorporated into program pathway	X				Uofl online BAS degree and UNI BA in Technology Management are both incorporated the degree program

<b>Course Information: Syllabi &amp; Instructional Materials</b>	<b>Exceptional</b>	<b>Effective</b>	<b>Opportunity to Improve</b>	<b>N/A</b>	<b>Comments &amp; Recommendations</b>
- <b>Course Information: Syllabi &amp; Instructional Materials</b>					
1. Priority 1, Strategy 1: Course competencies are aligned to relevant industry certifications	X				Programs focuses on workforce readiness, workplace safety and industry credentials.
2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards	X				Selected courseware and Amatrol curriculum reflect current industry standards.
3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate	X				KCC's program utilizes the Amatrol online learning system for some of its courses.



4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum	X				Instructors worked with local industry to build four state of the art automation training simulators
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training	X				Amatrol online curriculum has matching hardware that complements the content.

- 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				The PACE Industrial Maintenance program is an example.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum	X				KCC has an entire course called Microcomputers for the Trades to increase the digital literacy of the students. Electrical software, AutoCAD and Amatrol content reinforce digital literacy throughout the program.
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning	X				Career Ready 101 is used to support skill development. Study groups and a math emporium are used for remediation.
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program	X				Mandatory advising used before, during and after the program.
5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components	X				Industry input was used throughout the program, from designing the simulation trainers to selecting which industrial certifications are needed in the workforce.

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