



## Iowa Advanced Manufacturing Consortium Curriculum Review Rubric

**Signature Program: Welding**

**College: Southeastern Community College**

**Reviewer Name: Douglas M. Rupik**

**Reviewer Signature:**

A handwritten signature in black ink, appearing to read "Douglas M. Rupik", is written over a light gray rectangular background.

**Date: 3/26/16**

### **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>Program Pathway</b> - <b>Curriculum Map</b>	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				Non-credit Production Welding Certificate is a recent program development. Upon completion, students may enter workforce or a credit program of study. Program is latticed with related programs such as auto body and construction technology.
2. Priority 1, Strategy 1: Program outcomes aligned to relevant industry certifications	X				Program outcomes are aligned to American Welding Society (AWS) D1.1 Structural Steel welding code and aligned to AWS SENSE standards. Recommend further investigation into obtaining AWS Accredited Testing Facility (ATF) with program growth.
3. Priority 1, Strategy 1: Instructors certified per industry standards	X				All three instructors are AWS Certified Welding Inspectors (CWI) and/or Certified Welding Educators or Certified Associate Welding Inspectors (CWE/CAWI).
4. Priority 1, Strategy 1: NCRC incorporated into signature program curriculum	X				NCRC assessment is a prerequisite to entering the program. NCRC level of "silver" in math is a prerequisite to WEL 233 "Print Reading & Weld Symbol Interpretation" class.
5. Priority 1, Strategy 2: Noncredit offering aligned to credit programming	X				All courses are aligned with credit "Iowa Welding Curriculum"
6. Priority 2, Strategy 4: UofI online BAS incorporated into program pathway				X	Not specifically discussed in this short-term non-credit program.

- <b>Course Information: Syllabi &amp; Instructional Materials</b>	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 include ability to pass AWS D1.1 GMAW-S 1G and 2G welder certification tests.
2. Priority 1, Strategy 1: Instructional materials are reflect current industry standards	X				Program uses Hobart Institute of Welding curriculum, which is AWS SENSE aligned, and current with industry standards.
3. Priority 2, Strategy 5: Online and blended delivery options for courses as appropriate			X		Other than math remediation, online earning is not an option. Recommend investigation into feasibility of implementing optional online delivery for lecture components of program.



4. Priority 2, Strategy 5: Incorporate simulators and state-of-the-art technology into curriculum		X			Program utilizes state of the art water-cooled GMAW-S equipment, as well as other new lab equipment current with industry standards.
5. Priority 2, Strategy 5: Incorporate online manufacturing training options as appropriate to supplement hands-on training			X		Other than math remediation, online earning is not an option. Recommend investigation into feasibility of implementing optional online delivery for lecture components of 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		Policy development is ongoing. Recommend implementation of Credit for Prior Learning articulation with SCC for-credit diploma and degree welding programs.
2. Priority 2, Strategy 1: Digital literacy incorporated into curriculum			X		Other than math remediation, online earning is not an option. Recommend investigation into feasibility of implementing optional online delivery for lecture components of program.
3. Priority 2, Strategy 1: Evidence of plan for remediation and contextualized learning		X			Career Ready 101 is required if a minimum score of “silver” is not made on the NCRC. Contextualized learning is realized via instructors with industry experience and employer visits to classroom.
4. Priority 3, Strategy 2: Evidence of intensive advising incorporated into program	X				Pathway Navigator begins advising work with students’ initial inquiry and continues through financial aid, academic planning, and enrollment. Contact is maintained through classes, instructor referral, and by appointment.
5. Priority 3, Strategy 1: Evidence of industry input/standards in program design and curricular components	X				Local employers partner with Center for Business (CBIZ), which has implemented curriculum aligned to statewide curriculum group. Local employers also participate in site visits.

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