

MoSTEMWINS Curriculum Review Rubric Fall 2016/Spring 2017

Program Reviewed: Fluid Power IFPS C & C certification

College: Mineral Area College

Reviewed By: Thomas Blansett

Date: 23 July 2017

Review scale definitions:

Exceptional: Review component is a “best practice” and represents a model for replication.

Very good: Review component is complete and effective.

Good: Review component is adequate but presents opportunities for improvement.

Ineffective: Review component is weak and in need of significant improvement.

No or Insufficient Evidence: Review component was not covered or information provided in the documents was insufficient for assessment.

Curriculum Map, Career Ladder/Stackable Credential Documentation, Syllabi	Excellent	Very Good	Good	Ineffective	No/Insufficient Evidence
1. Program CIP code/s appropriate to program title and outcomes.	X				
2. Effective program structure (prerequisites, course sequence, stackable credential-structure provide a clear, logical path to completion).			X note 1		
3. Outcomes aligned to occupational focus (industry skills and standards) and prepare students for appropriate industry certification/s.			X		
4. Outcomes are clearly stated.			X		
5. Outcomes are introduced and reinforced effectively.				X note 2	
6. Course objectives are clearly stated and measurable.			X		
7. In multi-course programs, course objectives support one or more program or student learning outcome. In single-course programs, modules support one or more course objective.			X		

Comments or recommendations specific to each section rated:

1. There is no mention of the C & C tasks or learning objectives specifically identified in the Basic Fluid Power Course TEC 2030 syllabus.
2. A requirement for this certification is to successfully pass a job performance test – in the course overview, it says no lab exercises/hands-on for this and these tactile skills need hands-on practice labs.
- 3.
- 4.
- 5.
- 6.
- 7.

General comments or recommendations:

Instructional Materials and Lab Resources	Excellent	Very Good	Good	Ineffective	No/Insufficient Evidence
1. Support stated course or unit learning objectives.			X note 1		
2. Meet/reflect current industry practices and standards.					X note 2
3. Provide options for multiple learning styles.			X note 1		
4. Instructional materials are cited properly.			X		
5. There is evidence of materials and resources that support on-line or technology-enabled learning.					X note 3

Comments or recommendations specific to each section rated:

1. No evidence hands-on labs to reinforce learning objectives
2. Presentation materials not available to review
3. No evidence shown that the course is offered via any other medium than classroom instruction.
- 4.
- 5.

General comments or recommendations:

Overview Table: Objectives, Modules/Units, Learning Activities and Assessments	Excellent	Very Good	Good	Ineffective	No/Insufficient Evidence
1. Modules/units are linked to course objectives.				X note 1	
2. Learning activities promote achievement of stated module/unit objectives.				X note 2	
3. Learning activities provide opportunities for interaction and active learning.				X note 2	
4. Learning activities provide options for multiple learning styles.				X note 2	
5. Learning activities are linked to current industry practices, standards and certifications.				X note 2	
6. Learning activities demonstrate evidence of innovation or enhancements to support adult learner success.				X note 2	
7. Materials/resources (to include equipment, tools and software) are used in a way that students understand their purpose and use in industry settings.				X note 2	
8. Assessments measure stated learning objectives and link to industry standards.				X note 2	
9. Assessments align with course activities and instructional materials and resources.			X note 3		
10. Assessments are sequenced throughout the instructional period to enable students to build on feedback.					X note 4
11. Assessments are varied and appropriate to content.			X note 5		
12. Assessments provide opportunities for students to measure their own learning progress.			X note 5		

Comments or recommendations specific to each section rated:

1. C & C certification requirements not linked to course syllabus
2. No materials submitted to be able to review lab activities and no evidence of assessments being linked to learning objectives of C & C
3. While assessments are indicated, none were submitted for review.
4. C & C learning activities and assessments were not indicated in course syllabus
5. While assessments are indicated – no details are available for review.
- 6.
- 7.

8.

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General comments or recommendations:

Innovative or Enhanced Strategies	Excellent	Very Good	Good	Ineffective	No/Insufficient Evidence
1. Accelerate Entry into Career Programs Refine assessment, transform developmental education and add support services to meet the needs of participants			X		
2. Create Clear Pathways to STEM Careers Expand access to and/or develop new stacked and latticed credentials in programs that meet employer needs			X		
3. Improve Employment Attainment Collaborate with industry, WIBs, state, and community-based organizations to engage, guide and employ participants			X		
<p>Comments or recommendations specific to each section rated:</p> <p>1.</p> <p>2.</p> <p>3.</p> <p>General comments or recommendations:</p>					

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