

MoSTEMWINS Curriculum Review Rubric Fall 2016/Spring 2017

Program Reviewed: CPT Program (TEC 1560,1580,1930 & MAN 1080)

College: Mineral Area College

Reviewed By: Bob Sherman

Date: 6-12-17

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-note 2 | | | |
| 4. Outcomes are clearly stated. | | X | | | |
| 5. Outcomes are introduced and reinforced effectively. | | X | | | |
| 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. Very good rating was given because of the use of Tooling U & Amatrol for instructional material and labs as a good method of a training that is a good representative of practices used in Industry.
2. The use of a certification organization like MSSC is also an appropriate choice for credentials that are highly respected in Industry.

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 | | | |
| 2. Meet/reflect current industry practices and standards. | | X | | | |
| 3. Provide options for multiple learning styles. | | X | | | |
| 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 1 | | | |

Comments or recommendations specific to each section rated:

1. Beneficial use of on-line software (Tooling U) with specific modules for the curriculum resource.

2.

3.

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 | | | |
| 2. Learning activities promote achievement of stated module/unit objectives. | | X | | | |
| 3. Learning activities provide opportunities for interaction and active learning. | | X | | | |
| 4. Learning activities provide options for multiple learning styles. | | X | | | |
| 5. Learning activities are linked to current industry practices, standards and certifications. | | X | | | |
| 6. Learning activities demonstrate evidence of innovation or enhancements to support adult learner success. | x-note 1 | | | | |
| 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 | | | |
| 9. Assessments align with course activities and instructional materials and resources. | | X | | | |
| 10. Assessments are sequenced throughout the instructional period to enable students to build on feedback. | | X-note 3 | | | |
| 11. Assessments are varied and appropriate to content. | | X | | | |
| 12. Assessments provide opportunities for students to measure their own learning progress. | | X-note 4 | | | |

Comments or recommendations specific to each section rated:

1. As stated in the learning activities section of TEC 1560 -The touring of a manufacturing plant is an effective learning tool and deserves an excellent rating and gives the student a look at the potential employer.
2. Amatrol labs are a good representative of Industry use.
3. Good use of Tooling U's module assessments – recommendation to the instructor(s) to set software limits of acceptable scores on Tooling U's assessments.
4. Another recommendation would be for the instructor to track the amount of time used by the student in each learning module – this is a good indication of their ability to grasp the material and may need more one-on-one time.

5.

- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.

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-note 1 | | |
| Comments or recommendations specific to each section rated: 1. I did not see these support services listed on the documents but believe they exist. I would suggest that you have a specific person that lends support to help these students find jobs. The contact person should be working closely with the local Industries to find out what their needs are and match the students. 2. 3. General comments or recommendations: Overall, I believe the CPT program is well developed and implemented at Mineral Area College. The documents show the program is well organized with clear cut objectives, goals, materials and assessments. Very Good Job!!! | | | | | |

This document is 100% funded by the MoSTEMWINs \$19.7 million grant from the U.S. Department of Labor, Employment and Training Administration (TAACCCT). The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.

This work is licensed under the Creative Commons Attribution 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/>.