

Program: TAACCCT 4 AAMMP UP: Aviation Technology

Reviewer: Troy Gabaldon

Date: 7/20/2018

Program Description:

The Pima Community College Aviation Technology program supports 6 certificates and 1 Applied Associates of Science degree. In 2015, the College was awarded a DOL funded TAACCCT 4 Grant to better serve TAA-eligible workers, veterans, low-skilled, unemployed, and under-employed individuals. The key tasks included supporting the development of aviation curriculum, working with local industry partners to ensure that the program meets local needs, and supporting students through course completion and employment.

For the Aviation program, grant funds were used to incorporate NC3 curriculum and equipment into existing aviation courses and develop a part 65 course that is intended to help students prepare for FAA testing.

Evaluator Credentials and Professional Qualifications:

The evaluator Troy Gabaldon has a Bachelor's Degree in Occupational Education and a Master's Degree in Education (Curriculum and Instruction). Mr. Gabaldon also holds a Standard Career and Technical Education, K-12 Industrial and Emerging Technologies Standard Teaching Certificate and a Professional Principal, PreK-12 Certificate. Mr. Gabaldon is the Chief Administrative Officer for Western Maricopa Education Center's Post-Secondary accreditation through Council on Occupational Education (COE).

Mr. Gabaldon holds an Airframe and Powerplant Certificate and has been working in the Aviation industry for over 30 years. In May of 2011 Mr. Gabaldon and a team of three began the developing and writing of the Curriculum and Operations Manual. The team began the organization of putting together all the shop equipment, aircraft and aircraft trainers needed in order to open a new Aviation Maintenance Technician School. In August of 2011 the Federal Aviation Administration approved the Curriculum and Operations Manual and a Certificate was awarded to Western Maricopa Education Center #7WET. Since that time Mr. Gabaldon has been the school's Administrator.

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Review Methodology:

The evaluator will provide the following: site visit to evaluate the physical space of the PCC Aviation program, a completed rubric that evaluates program efficacy, and an analysis of the program's achievements. Evaluator will also provide recommendations focused on strengthening the program and relationships with employers.

The rubric provided below is the foundation of the evaluation process. The scale and definitions are as follows:

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.

Insufficient Evidence: Review component was not covered or information provided in the documents was insufficient for assessment.

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Rubric:

Section 1: Syllabus/ Course Outline					
Topic	Exceptional	Very good	Good	Ineffective	Insufficient
Course Outcomes/SLOs are clearly stated.		X			
Syllabus includes basic element of the course (e.g. course title, credits, goals, objectives, learning outcomes, prerequisites, course description).		X			
Course schedule is appropriately paced.	X				
Course content is appropriate and includes industry standards	X				
The course organization and design is clear, coherent, and structured in an appropriate way.	X				
The learning activities and/or labs promote the achievement of the stated learning objectives.	X				
Comments: The course content aligns well with industry standards.					

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Section 2: Instructional materials and					
Topic	Exceptional	Very good	Good	Ineffective	Insufficient
Part 65 course aligns appropriately with FAA exams and covers all relevant materials.	X				
NC3 curriculum has been integrated and instructional materials are current.	X				
Instructional materials and lab meet/reflect current industry practices and standards.	X				
Learning activities promote achievement of stated module/unit objectives and support student success.	X				
All appropriate safety equipment and protocols are taught and used in the classroom.	X				
Comments: Instructional materials are well written, they lead students through all of the material they will be tested on.					

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Section 3: Industry alignment					
Topic	Exceptional	Very good	Good	Ineffective	Insufficient
Course materials, activities, and learning outcomes are applicable to the target industry.	X				
The laboratories and physical spaces provide students with access to industry standard tools and equipment.	X				
Instructional materials and lab meet/reflect current industry practices and standards.	X				
Materials and activities reflect industry expectations and include authentic measures of student skills.	X				
Comments: The course materials and lab activities reflect current industry practices and standards.					

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Analysis and Recommendations:

Section 4: Evaluation outcomes	
Program Strengths:	This program does a great job with aligning its content with industry standards. The instructional design and materials are up to date with industry.
Recommendations for Improvement:	I would list Student Learning Outcomes on the course syllabus not only on the outlines. Outcomes are to prepare students to pass the FAA Oral & Practical exams.
Comments:	The students will be well prepared for industry assessment after completing this course. The program is structured to ensure student success in passing the Federal Aviation Administration required Oral & Practical exams. Students are getting the required hands-on experience with up-to-date industry tooling and equipment.



Troy Gabaldon
Reviewer
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