

**EQUIPMENT NEEDS ASSESSMENT APPLICATION**  
**Fall 2015**

Name of Person Submitting Request:	<b>Terry Halabi</b>
Program or Service Area:	<b>Aeronautics</b>
Division:	<b>Applied Technology, Transportation and Culinary Arts</b>
Date of Last Program Efficacy:	<b>Spring 2014 (CTE 2-year review)</b>
What rating was given?	<b>Continuation</b>
Equipment Requested	<b>New Aircraft Engine or related materials</b>
Amount Requested:	<b>\$40,000</b>
Strategic Initiatives Addressed: (See Appendix A: <a href="http://tinyurl.com/15oqoxm">http://tinyurl.com/15oqoxm</a> )	1.11, 1.9, 2.8.10, 2.11, 2.11.2, 2.16, 5.2, 5.4.1, 6.6

NOTE: To facilitate ranking by the committee, submit separate requests for each item; however, multiple items can be submitted as one request if it is required that the equipment is packaged together.

Replacement                      Additional **X**

1. Provide a rationale for your request.

The Aeronautics Program offers the Airframe and Powerplant (A&P) Technician that prepares students for employment in the aviation industry. The program also prepares our students to take and successfully pass the Federal Aviation Administration’s (FAA) Airframe & Powerplant Mechanic examination. The program is highly regulated by the FAA. In order to provide the students the skills and competencies they need to compete for jobs in this field, existing equipment used in the laboratory must be upgraded. It is recommended that the program acquire a new aircraft engine or related materials to align with the needs of the industry and employers.

2. Indicate how the content of the latest Program Efficacy Report and current EMP data support this request. How is the request tied to program planning? (*Reference the page number(s) where the information can be found on Program Efficacy.*)

To support the goals of the department, updating the instructional technology and its curriculum will help towards the learning needs of the students. We are also increasing our relationship with industry and employer partners and upgrading our regulatory manuals to conform with FAR Part147

3. Indicate if there is additional information you wish the committee to consider (*for example, regulatory information, compliance, updated efficiency, student success data, planning, etc.*).

Civil aviation is found anywhere you go. It is global and the skills and knowledge acquired by our students in the program can be utilized wherever they go. There is always a demand in this field. Providing our students the necessary learning tools and equipment will give them a competitive edge in the job market.

4. Evaluation of initial cost, as well as related costs (including any ongoing maintenance or updates) and identification of any alternative or ongoing funding sources (*for example Department, Budget, Perkins, Grants, etc.*).

The estimated cost for the airplane engine is \$40,000. No maintenance costs is needed as students will be performing the maintenance and repair aspects for the unit.

5. What are the consequences of not funding this equipment?

The students in the program will not get the hands-on experience they need in the technology currently used by the aviation industry. They will not be able to compete with other students who have acquired the same knowledge but were exposed to using updated aviation equipment.