

Adv Tech 2010-11

Lane Aviation Academy – Flight Technology - Navigation and Communication upgrade - #3

Summary:

Our aircraft are our classrooms. The technology in many of the aircraft is outdated and increasingly unsupported. It is important for flight safety and excellent instruction to upgrade.

Description

To fly safely, to stay competitive, to attract new students, and to retain current students, we need to upgrade the navigation and communication equipment to industry standards. Industry standard in training aircraft is the Garmin 400 and 500 series GPS/NAV/COM. This initiative would allow us to equip 3 of our 13 aircraft. We would upgrade 3 that are most used in advanced, instrument training - where such an upgrade is most crucial.

Questions and Answers

How is the initiative linked to the Unit Plans most recently submitted?

- 1. How does it continue the achievement of those goals?**
- 2. If this is a continuation of an initiative started last year, make sure that relationship is clear.**

How is this initiative linked to the efficiencies and productivities plans you had last year?

- 1. How does it continue the achievement of these plans?**
- 2. If this is a continuation of an efficiency or productivity plan started last year, make sure that relationship is clear.**

This is a new initiative.

Describe the resources needed:

Equipment

- 3 Garmin Communications Systems (\$15,000 each)

Request: Carl Perkins (EQP) \$45,000

What specific measurable program outcomes do you expect to achieve with this initiative? The outcomes should be specific enough to be measurable. Also, outline the method that will be used to determine the results.

Our students will learn on industry standard avionics. Students will be better prepared for the real world workplace, and will be more competitive in job searches. Without these upgrades, students will choose other flight training programs over Lane.

Department Priority:

27

Unit Resources:

There are no unit resources available. However, our Flight Technology classified employee mechanics will maintain equipment and regular updates to navigation data. Our instructors will advance in their knowledge and capabilities and pass this on in instruction given to our students.

Funding Request: Carl Perkins

Is this a Career & Technical Education program approved by the state and offered through Lane for credit?

Yes

If not a Career & Technical Education program, does your request provide considerable support for students enrolled in these programs?

Yes

Do you have an advisory committee that meets 2-3 times per year?

Yes

If request is for personnel, will funds be used to replace an existing position?

How will funding this initiative increase or sustain the academic achievement and technical skills attainment (GPA of 2.0 or better) of Career and Technical Education students?

To be competitive in the pilot work force, students must be trained in and have significant experience with industry standard navigation and communication equipment. The equipment we have in the aircraft we use for instrument flight training is outdated and, in many cases, unsupported by manufacturers. To best serve our students, to make them stand out in job application, and for them to achieve success, they need this equipment upgrade in our aircraft.

How will funding this initiative increase or sustain the number of CTE students that graduate or receive a one year certificate from Lane and help prepare the students for employment?

Potential flight students, who are mostly middle school and high school students, evaluate flight schools based on the aircraft and the equipment in the aircraft. This equipment will increase the number of students who choose Lane. It will better prepare graduates to be competitive in the workforce.

EQUIPMENT \$

45000

COMPUTER HARDWARE \$

COMPUTER SOFTWARE \$

MATERIALS & SUPPLIES \$

CURRICULUM DEVELOPMENT (Hours)

PART-TIME FACULTY \$

TIMESHEET STAFF \$

TRAVEL \$

Can this initiative be partially funded?

No

EQUIPMENT \$

(E) Explanation of effect of partial funding:

COMPUTER HARDWARE \$

(CH) Explanation of effect of partial funding:

COMPUTER SOFTWARE \$

(CS) Explanation of effect of partial funding:

MATERIALS & SUPPLIES \$

(MS) Explanation of effect of partial funding:

CURRICULUM DEVELOPMENT (HOURS)

(CD) Explanation of effect of partial funding:

PART-TIME FACULTY \$

(PF) Explanation of effect of partial funding:

TIMESHEET STAFF \$

(TS) Explanation of effect of partial funding:

TRAVEL \$

(T) Explanation of effect of partial funding:

Funding Request: Curriculum Development

Funding Request: Technology Fee