

## Adv Tech 2011-12

### Lane Aviation Academy: Aviation Maintenance -#1- Transformation to learning module based curriculum/computer based training

#### Summary:

Learning module based curriculum development.

#### Description

Funding of curriculum development to devise and integrate computer based training.

#### 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.

Continuation of the initiative that funded the NIDA lab in 2008-2009. Allows faculty to integrate the NIDA training modules into the curriculum. In 2008-2009, Perkins Grant funded the purchase of trainers and software to establish a CBT lab for aviation maintenance training modules. It will allow instructors to learn how to use the NIDA trainers and to integrate their use in a lab that will allow student self directed learning. By funding additional hours necessary to integrate the new technology will allows the continuation of the initial step of purchase of the trainers and software.

**Describe the resources needed:**

#### Curriculum Development

\*3 Curriculum Development 100 hours (4,533 each)

***Request:*** Curriculum Development 300 hours \$13,599

**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.**

Students will complete certain classes with less instruction from instructors.

**Department Priority:**

**Unit Resources:**

There are no unit resources available.

## 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?**

## Funding Request: Curriculum Development

### 1. List the following information

- **Course Numbers (titles if not currently offered)**
- **Instructor Name(s) who will work on the curriculum development**
- **Whether each of the courses is in, or has been through, the curriculum approval process**

General 101, 102, 103, 104, 105; Airframe 02, 03, 04, Powerplant 01

Keith Bird, Brian Mc Glynn, Ed Zuleyvec

All are previously approved courses

### 2. List each course number (or title) and the materials to be created for each class

- **Instructional goals, objectives, syllabi and outlines**
- **Lab instruction packets**
- **Practice, quiz, presentation &/or demonstration materials**
- **Other (specify)**

Instructional goals, objectives, syllabi and outlines Lab instruction packets General 101, 102, 103, 104, 105, Airframe 02, 03, 04, Powerplant 01

Practice, quiz, presentation &/or demonstration materials General 101, 102, 103, 104, 105, Airframe 02, 03, 04 Powerplant 01

### 3. List each course number (or title) and give your timeline for beginning and completing each course curriculum development.

General 101, 102, 103, 104, 105, Airframe 02, 03, 04, Powerplant 01

Begin Spring 2011, completed Fall 2011.

**4. What are up to 3 departmental instructional goals that are met through the development of curriculum in each class?**

**5. List each course number (or title) and give the value of the development of curriculum in each course to other faculty members.**

General 101, 102, 103, 104, 105, Airframe 02, 03, 04, Powerplant 01 Allows other faculty member to teach courses they have not taught.

**6. List each course number (or title) and say how many students will be served by the development of curriculum in each class.**

General 101, 102, 103, 104, 105, Airframe 02, 03, 04, Powerplant 01 Up to 25 students in each class.

**7. List each course number (or title) and give the specific benefits to students that you expect from the development of curriculum in each class.**

General 101, 102, 103, 104, 105, Airframe 02, 03, 04, Powerplant 01 Students will have better understanding of course material.

**8. List each course number (or title) and give the specific benefits for diversity that you expect from the development of curriculum in each class.**

General 101, 102, 103, 104, 105, Airframe 02, 03, 04, Powerplant 01 Non traditional students will more easily learn technical subjects.

**9. List each course number (or title) and give the specific benefits to sustainability that you expect from the development of curriculum in each class.**

General 101, 102, 103, 104, 105 Airframe 02, 03, 04, Powerplant 01 Students will learn environmental impact of aviation maintenance.

**10. List each course number (or title) and give the specific effects on distributed learning that you expect from the development of curriculum in each class.**

General 101, 102, 103, 104, 105, Airframe 02, 03, 04, Powerplant

**Hours requested for Curriculum Development funding:**

**Please enter the amount of one of the following:**

- **100 hours maximum for new development.**
- **70 hours maximum for course revision**
- **50 hours for 3-4 credit conversion**
- **other (use if multiple courses addressed in one initiative)**

**Do not enter any characters other than numbers and a decimal.**

**How many hours are you requesting? If there are multiple courses addressed in the initiative, please list each course number (or title) and give the number of hours requested for each course.**

**Can this initiative be partially funded?**

No

**Partially funded curriculum development HOURS requested:**

**Explanation of effect of partial funding:**

**Funding Request: Technology Fee**