

Adv Tech 2008-09 Initiative: Aviation Maintenance - NIDA training consoles

Summary:

This is a classroom set of computer managed training consoles to teach the fundamental concepts and theories of aviation maintenance.

Description:

This NIDA lab will provide a platform to transform the curriculum from course-based to a learning-module base. This lab will be equivalent to the lab used in the auto technology program.

Strategic Direction

- Build organizational capacity and systems to support student success and effective operations.
- Foster the personal, professional, and intellectual growth of learners by providing exemplary and innovative teaching and learning experiences and student support services.
- Position Lane as a vital community partner by empowering a learning workforce in a changing economy.

Learning Plan Goals

- Create innovative, flexible and collaborative programs that are responsive to current and emerging needs of students and employers.
- Enhance student success and retention
- Increase support for innovation in instruction.

Student Affairs Plan Goals

- Enhance Recruitment Efforts.
- Enhance the Lane workforce to best promote student success.
- Ensure success-oriented systems and experiences.

College Council Priorities

- 1.b. Enrollment Management: Recruitment and Retention
 - 3. Efficiencies
 - 5.2 Instructional Redesign: Leveraging Technology
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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 next step for the curriculum development funded this year. The faculty have started the process of transforming the curriculum from course-based to a learning module based.

This new learning environment will increase both efficiency (time) and effectiveness (learning more in a flexible environment). This lab will be a major component in increasing student FTE and maintaining or reducing personnel costs.

Describe the resources needed:

Computer Software & Licensing

*1 NIDA Software (\$116,595)

//**Funding:** Carl Perkins/Tech Fee

Computer Hardware

- 15 computers (\$15,000)

//**Funding:** Carl Perkins/Tech Fee

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.

Student learning will be much more flexible and managed. Fundamental competencies will be assess and available to the student at any time.

Department Priority:

16

Unit Resources:

Question Not Answered

Carl Perkins Funding Request

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?

No

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?

Question Not Answered

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?

Students will be self-directed in their learning. They will have access to the training lab at any time during the scheduled hours to initially learn and reinforce their skills.

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?

Incorporating this lab will increase the number of students in the program. Currently, the faculty are limited by the FAR 147 regulations on the number of students. This learning environment will allow students to break into smaller learning groups in both the NIDA lab and then on the shop floor. Faculty can have more time with students on the shop floor.

EQUIPMENT \$

131595

COMPUTER HARDWARE \$

Question Not Answered

COMPUTER SOFTWARE \$

Question Not Answered

MATERIALS & SUPPLIES \$

Question Not Answered

CURRICULUM DEVELOPMENT (Hours)

Question Not Answered

PART-TIME FACULTY \$

Question Not Answered

TIMESHEET STAFF \$

Question Not Answered

TRAVEL \$

Question Not Answered

Can this initiative be partially funded?

No

EQUIPMENT \$

Question Not Answered

(E) Explanation of effect of partial funding:

Question Not Answered

COMPUTER HARDWARE \$

Question Not Answered

(CH) Explanation of effect of partial funding:

Question Not Answered

COMPUTER SOFTWARE \$

Question Not Answered

(CS) Explanation of effect of partial funding:

Question Not Answered

MATERIALS & SUPPLIES \$

Question Not Answered

(MS) Explanation of effect of partial funding:

Question Not Answered

CURRICULUM DEVELOPMENT (HOURS)

Question Not Answered

(CD) Explanation of effect of partial funding:

Question Not Answered

PART-TIME FACULTY \$

Question Not Answered

(PF) Explanation of effect of partial funding:

Question Not Answered

TIMESHEET STAFF \$

Question Not Answered

(TS) Explanation of effect of partial funding:

Question Not Answered

TRAVEL \$

Question Not Answered

(T) Explanation of effect of partial funding:

Question Not Answered

Curriculum Development Funding Request

Technology Fee Funding Request

1. Category of request

- *Maintain existing technology*
- *Increase student access to technology*
- *New technology*

Please type in the category of the request in the field below.

New Technology

2. Campus location

- *Main Campus*
- *Downtown Center*
- *Florence*
- *Cottage Grove*
- *CLC (list specific locations)*

Please type in the location of the request in the field below.

RTS - Building 46

3. Names of the person(s) with more information (if needed):

Kieth Bird ext. 4351

4a. Budget ORGN

611400

4b. Budget PROG

112000

5. How many students will benefit per year?

50

6. *Describe the benefit?*

A better learning environment. More efficient use of faculty time.

COMPUTER HARDWARE \$

15000

COMPUTER SOFTWARE \$

116595

STAFFING \$

Question Not Answered

INSTALLATION \$

Question Not Answered

LICENSING \$

Question Not Answered

Can this initiative be partially funded?

No

COMPUTER HARDWARE \$

Question Not Answered

(CH) Explanation of effect of partial funding:

Question Not Answered

COMPUTER SOFTWARE \$

Question Not Answered

(CS) Explanation of effect of partial funding:

Question Not Answered

STAFFING \$

Question Not Answered

(S) Explanation of effect of partial funding:

Question Not Answered

INSTALLATION \$

Question Not Answered

(I) Explanation of effect of partial funding:

Question Not Answered

LICENSING \$

Question Not Answered

(L) Explanation of effect of partial funding:

Question Not Answered