

Adv Tech 2010-11

Drafting - CAD Software - #1

Summary:

Purchase current version of CAD and solid modeling software.

Description

Purchase current version of CAD and solid modeling software for required degree course that keeps us in line with industry practices and is also fiscally responsible.

The software is a required tool for our students and our program.

Currently, the software must be purchased with a yearly license.

Purchase SolidWorks software which is bundled with A+CAD (AutoCAD emulator), SketchUp Pro, and ArchiCAD to replace AutoCAD/Inventor.

CAD software is required for degree courses that prepare students for employment as drafters. The Drafting program runs two 60-seat labs in parallel and so needs 60 seats total.

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 was submitted with last year's unit plan, yet unfunded. CAD software is an ongoing fundamental need for this program and is linked to everything else we do in the program. This initiative continues our goal of cost-effectively providing industry-standard software for student learning.

Describe the resources needed:

Computer Software

- 1 CAD and Solid Modeling Software (\$30,000 each)

Request: Carl Perkins (CS) \$30,000

Request: Technology Fee (CS) \$30,000

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.

This is a requirement in the program. Every drafting student benefits from this industry specific software. Expect increased FTE of 2-5% due to aligning software with industry needs.

Department Priority:

3

Unit Resources:

There are no unit resources available. Drafting faculty and portions of division dean and administrative staff time.

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?

This software will prepare the students for job placement in the community by teaching them the most up-to-date application among industry standards.

Students will gain industry specified skills which lead to higher paying employment. This allows continued use of the software by students and faculty. The program needs to maintain its existing

learning environment. This is mandatory software for the program to continue operations and offerings to students.

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?

This software will prepare the students for job placement in the community by teaching them the most up-to-date application among industry standards.

Students will gain industry specified skills which lead to higher paying employment. This allows continued use of the software by students and faculty. The program needs to maintain its existing learning environment. This is mandatory software for the program to continue operations and offerings to students.

EQUIPMENT \$

COMPUTER HARDWARE \$

COMPUTER SOFTWARE \$

30000

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

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.

Maintain existing 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.

Main Campus

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

Jon Bridges at ext. 5274

4a. Budget ORGN

612100

4b. Budget PROG

112000

5. How many students will benefit per year?

75

6. Describe the benefit?

Students will gain industry specified skills which lead to higher paying employment. This allows continued use of the software by students and faculty. The program needs to maintain its existing learning environment. This is mandatory software for the program to continue operations and offerings to students.

COMPUTER HARDWARE \$

COMPUTER SOFTWARE \$

30000

STAFFING \$

INSTALLATION \$

LICENSING \$

Can this initiative be partially funded?

No

COMPUTER HARDWARE \$

(CH) Explanation of effect of partial funding:

COMPUTER SOFTWARE \$

(CS) Explanation of effect of partial funding:

STAFFING \$

(S) Explanation of effect of partial funding:

INSTALLATION \$

(I) Explanation of effect of partial funding:

LICENSING \$

(L) Explanation of effect of partial funding: