Bus/CIT 2010-11

CIT Update & Expand 19-120

Summary:

Purchase and install a Smart Station, video capture equipment, 30 computers, 30 student stations, and any wiring/infrastructure changes needed to update and expand capacity in an existing CIT instructional lab.

Description

Increase efficiency of faculty and classroom space by expanding instructional lab room capacity by 25% from 24 to 30 student stations. Purchase and install 30 computers through the college contract (model, etc to be determined at time of purchase) to provide modern hardware for instruction. Provide improved curriculum delivery capability by purchasing and installing according to the college standard configuration a Smart station and video capture equipment, including the wiring/infrastructure supplies needed.

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 initiative continues the departmental goals of increased student retention, learning and employability. It is consistent with the departmental direction undertaken last year with respect to the facilities and equipment upgraded completed in 19-132.

By increasing the number of students that can be taught in each section, it continues the departmental efforts to improve classroom and instructor utilization.

Describe the resources needed:

Student computers (30 * $1,000 = $30,000):
Request: Carl Perkins (CH) $30,000
Request: Tech Fee (CH) $30,000

Student stations (30 * $250 = $7,500):
Request: Carl Perkins (M&S) $7,500

Smart station ($12,000):
Request: Carl Perkins (M&S) $12,000
Request: Tech Fee (CH) $12,000

Video capture equipment ($5,600):
Request: Carl Perkins (M&S) $5,600
Request: Tech Fee (CH) $5,600

Wiring/infrastructure ($20,000):
Request: Carl Perkins (M&S) $20,000
Request: Tech Fee (INS) $20,000

Total $75,100 to update & expand room 120:
Request: Carl Perkins (CH) $30,000
Request: Carl Perkins (M&S) $45,100
Request: Tech Fee (CH) $47,600
Request: Tech Fee (INS) $20,000

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.

Student computers: The majority of CIT courses require the use of computers to meet instructional outcomes. Since the existing computers in this lab room are outdated, the upgrade will allow students to use modern hardware and software, which is crucial for student's learning and employability.
Student stations: Enrollment in CIT courses has grown explosively over the past two years, so that we are now at 100% of capacity. Increasing the number of student stations from the existing 24 locations to 30 will increase the capacity of the room by 25% to support higher enrollment and improved classroom utilization.
Smart station: The improved lecture/demo opportunities of the Smart station will increase the delivery options for instructors and provide enhanced learning opportunities for students.
Video capture equipment: Having high quality video capture equipment will allow instructors to develop online and hybrid courses, as well as providing a means for creating supplemental/tutorial materials for students to review later improving learning comprehension. Through the application of this technology, we expect improved efficiencies and productivity. Lectures, once given, can be repeatedly viewed on-demand. Online courses built around such videos can be more efficiently run, which allows instructors to focus more time on interaction

with the students, resulting in improved retention rates, as well as improved student experience in the open instructional lab through the development of a library of support resources.

Department Priority:

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Unit Resources:

The CIT Department's lab staff and designated faculty will oversee the purchase and installation of the equipment and furniture. In the case of the computers, the lab staff will undertake the operational level installation themselves. The department's general fund will pay for the incidentals needed for the room upgrade.

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?

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?

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?

Through the use of the Smart station, video capture equipment, and modern computer hardware, the classroom environment will be enhanced. We expect increased student retention and increased student learning as a result. Having a modern, efficient learning environment is especially important for the highly technical courses offered by the department.

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?

Increasing the number of student stations will allow the department to serve a greater number of students. Modern lab rooms with modern equipment will make the CIT courses more attractive

to prospective students. Without modern computer hardware, students will be learning obsolete software and will be less employable.

EQUIPMENT $

COMPUTER HARDWARE $

30000.00

COMPUTER SOFTWARE $

MATERIALS & SUPPLIES $

45100.00

CURRICULUM DEVELOPMENT (Hours)

PART-TIME FACULTY $

TIMESHEET STAFF $

TRAVEL $

Can this initiative be partially funded?

Yes

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 $

39500.00

(MS) Explanation of effect of partial funding:

Eliminating the video capture equipment would prevent us from realizing the benefits of that equipment, but the other benefits of this initiative would not be affected.

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.

Increase Student Access to 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):

Jim Bailey

4a. Budget ORGN

641001

4b. Budget PROG

112000

5.How many students will benefit per year?

1000+

6. Describe the benefit?

Increased accessibility to courses, increased learning, higher retention, increased employability

COMPUTER HARDWARE $

47600.00

COMPUTER SOFTWARE $

STAFFING $

INSTALLATION $

20000.00

LICENSING $

Can this initiative be partially funded?

Yes

COMPUTER HARDWARE $

42000.00

(CH) Explanation of effect of partial funding:

Eliminating the video capture equipment would prevent us from realizing the benefits of that equipment, but the other benefits of this initiative would not be affected.

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: