Initiative Report for Social Science 2009-10

Update Social Science/GIS Lab Computers

Summary:

The Social Science/GIS lab is seeking funding from Carl Perkins to purchase 25 new computers for the lab Center 455.

Description

The Social Science/GIS lab is seeking funding from Carl Perkins to purchase 25 new computers for the lab in Center 455. The lab is used to train students in GIS earning a Less than One Year Certificate in Geographic Information Science. We also are a certified State Eligible Training Provider under the Workforce Investment Act of 1998. The lab is essential to students gaining expertise in geospatial technology, specifically Geographic Information Science (GIS).

Current machines were used when the lab was formed and we are in the second year of use. The machines are antiquated by industry standards. The GIS Grant has purchased new monitors, and upgraded the towers to capacity but they are beyond upgrading at this point. Also, two of the computers have caught on fire and had to be repaired. Computers at most institution are on a 2 -3 year rotation cycle. An updated lab will provide expanded opportunities for all students taking GIS courses. It is critical to have machines that are capable of running software that requiring up-to-date computers.

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.**

Not previously requested in unit planning.

Describe the resources needed:

We are requesting 25 GIS Computers (Desktop Towers) that need to have professional grade processors and large RAM to handle and display large data sets for graphic display.

Computer Hardware

- 25 computer desktop towers with 4GB Memory and Boot Hard Drives with 320GB 3.5" SATA ($1000 each)

Funding: Carl Perkins

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.

Funding will sustain and increase the academic achievement and technical skills attainment by keeping up with this rapidly advancing technology.
This initiative will increase and sustain the number of students that graduate or receive a less than one year certificate from Lane by preparing students for employment using state of the art technology. Students are targeted for advances in science, social science, sustainable systems management, business, and planning. GIS education requires state of the art technology on industry standard equipment. Students placed in internships must be trained on current technology that is used in the workplace.

Department Priority:

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Unit Resources:

Funding Request: Carl Perkins

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

No

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?

The role of GIS is to train traditional students as well as displaced workers. We are listed as a training program through the state which is eligible for students to receive retraining funding for our program.
The GIS sequence has a capacity of 24 students per year. We also place interns through out western Oregon. The 4 course sequence is highly regarded by local, regional and state, national and standards implemented by our regional advisory board as well as National Science Foundation. We hope to continue our cutting edge program at Lane. We are aligned with the mission and priorities of the college.

GIS students earn a Less than One Year Certificate in Geographic Information Science. Also, the first course in the GIS sequence (GIS 245) is a requirement for the Water Conservation Technician Program here at Lane. We are a certified State Eligible Training Provider under the Workforce Investment Act of 1998. Our classes are offered through Lane for credit.

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?

Students can receive funding from the state for our program under the Workforce Investment Act of 1998. We are filled to capacity.

EQUIPMENT $

COMPUTER HARDWARE $

25000

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