

Bus/CIT 2008-09 Initiative: Network Security Certification Hardware

Summary:

This initiative addresses the hardware need for the Network Security Certificate. We need firewall and VPN hardware for the fourth course, CS286: Firewalls and VPNs. We need a minimum of 13 devices to meet the specified outcomes of the course.

Description:

This initiative will provide firewall and virtual private network (VPN) hardware for CS286 students. CS286 is the final course required in the Network Security certificate. The requested hardware is needed so students in these courses can install and configure firewalls and virtual private networks.

Strategic Direction

- Create, enhance, and maintain inviting and welcoming facilities that are safe, accessible, functional, well-equipped, aesthetically appealing and environmentally sound.
- 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.
- Curriculum enhancement.
- Provide on-going technology training for faculty and staff.

Student Affairs Plan Goals

- Create innovative, flexible, and collaborative programs that are responsive to the needs of students and employers and facilitate a smooth transition from college to the workplace.
- Develop a campus-wide, coordinated, and targeted marketing strategy to enhance enrollment and image in the community.

College Council Priorities

- 1.c. Enrollment Management: Workforce Development
- 1.e. Enrollment Management: Increase Credit Enrollment Level
- 4.2 Responding to unit plans/council plans: Curriculum Development

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.*

A 2005-2006 initiative was partially funded for curriculum development in the Network Security Certificate. We started offering the certificate Fall 2007. Three of the four courses for the certificate will be offered this school year. We obtained wireless networking hardware for CS188 this year. However we do not have firewall and VPN hardware yet for the fourth course, CS286: Firewalls and VPNs. We need a minimum of 13 devices to meet the specified outcomes of the course.

The specific equipment models are considered inexpensive in their arena. With respect to the firewall and VPN devices, the request is for only half as many as the maximum number of students in the classroom because students will be expected to partner up.

Describe the resources needed:

Computer Hardware

*13 Firewall and VPN appliance hardware devices ?? Cisco ASA 5505 (\$15,000 total)

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.

This initiative is required to offer CS286, the fourth class in the Network Security Pathway Certificate. Enrollment demand is expected to be 2 sections per year. The publicity value of having a complete security certificate is at the center of the department's marketing/publicity strategy.

All of the Pathway Certificate success and completion and enrollment data are directly available from current instructional enrollment reports. The department's fliers, web presence and other marketing strategies will prominently feature the Network Security

Certificate as part of the overall strategy of generating FTE and also of positioning the CIT Dept's offerings in the community.

Department Priority:

12

Unit Resources:

Faculty are creating an overall plan with specific faculty marketing roles as part of overall faculty work time.

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?

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?

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?

The requested hardware is needed so students in the CS286 course can install and configure firewalls and virtual private networks. By providing hardware that is commonly used in the workplace, students will have a realistic hands-on experience that will enhance their education and make them more employable.

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?

Training in Network Security is in high demand, and has been a consistent point of interest with the CIT advisory committee. Students with this training will be very employable. The Network Security Pathways certificate is designed to be of interest both to new students, and to students completing the Network AAS degree as a means of being extremely competitive in the employment market.

EQUIPMENT \$

15000.00

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?

Yes

EQUIPMENT \$

7500

(E) Explanation of effect of partial funding:

The Firewall and VPN appliance could be partially funded with positive results. However the fewer number of devices we purchase, the more students will need to share each device.

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.

Increase student access to technology and 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.

Main Campus

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

Ron Little and Mark Williams

4a. Budget ORGN

641320

4b. Budget PROG

112000

5. How many students will benefit per year?

25-50

6. Describe the benefit?

By providing hardware that is commonly used in the workplace, students will have a realistic hands-on experience that will enhance their education and make them more employable.

COMPUTER HARDWARE \$

15000.00

COMPUTER SOFTWARE \$

Question Not Answered

STAFFING \$

Question Not Answered

INSTALLATION \$

Question Not Answered

LICENSING \$

Question Not Answered

Can this initiative be partially funded?

Yes

COMPUTER HARDWARE \$

7500

(CH) Explanation of effect of partial funding:

The Firewall and VPN appliance could be partially funded with positive results. However the fewer number of devices we purchase, the more students will need to share each device.

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