IT 2010-11

Infrastructure Upgrade: Wireless Access Expansion (SAN)

Summary:

The Student Access Network (SAN) has been a huge success at Lane, allowing students to access the internet from many areas around the campus. This initiative will expand the wireless access to provide more locations around campus.

Description

Students utilize the wireless (SAN) network from many locations on campus, bringing their own computers and working on homework, performing research, etc. This wireless network allows students to accomplish their academic tasks without having to go to an open computer lab or wait for a computer to become available. The wireless network allows any student who has a computer and an LNumber to log into the network and access the internet, Moodle, etc. at many locations across campus, expanding their ability to get their work done.

The SAN has been a huge success at Lane and it is now time to expand the wireless network to more locations on campus, thus expanding the number of areas that students can access it. With the increased enrollment at Lane and the expanded use of technology and the internet, we are at 100% capacity, and it has become very important to provide more options for students to access the information they need to be successful in their classes. Currently, the existing wireless network is reaching the highest number of users we have ever seen, which is topping out over 1,400 unique logins per day!

This initiative will expand the existing wireless access on campus, adding 25 more locations where students can access the network to get their coursework completed successfully, as well as allow us to provide n wireless networking for those that need it.

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 is linked to other initiatives in that it is another way of providing services desperately needed by our increasing number of students at Lane. Computer labs/classrooms are expensive to install, equipping rooms with new computers, internet access, etc. can become quite cost prohibitive. Yet, a large percentage of students own their own laptop computers which they are bringing to campus more and more every day.

This initiative provides 25 new locations for wireless access which increases access for several hundred students with a price very near the cost of setting up just one 25 seat computer lab.

Although this is not an option that works for all students (not everyone owns their own laptop computer), it is an option that increases access to the resources students need, by providing wireless access for students who do have their own laptops while freeing up the open computer lab areas for those students who do not have their own laptops. This initiative provides a way to expand access to more people with a smaller overall cost.

Describe the resources needed:

To expand the existing wireless network, another wireless controller and more access points are needed.

1 - Wireless Access Controller (CH) $5,000.00
25 - A, B, G, N Access Points (CH) $27,000.00
Request: Technology Fee (CH) $32,000.00

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.

The outcome of this initiative will be expanded wireless access for Lane's student population. This will increase the number of locations that students will be able to access the network.

This can easily be measured by the additional locations that students will be able to access the network and this can be tracked not only by the mere fact of new locations being able to access the network, but also through the counts of total students utilizing the wireless network. Currently, we are seeing around 1,400 unique logins per day, and with this expansion we would expect to see those numbers continue to climb.

Department Priority:

1

Unit Resources:

Technical staff will configure, install and test the new wireless controller and access points and maintain them for the life of the equipment.

Funding Request: Carl Perkins

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):

Thad Cowdin
Barbara Barlow
Todd Lutz

4a. Budget ORGN

330140

4b. Budget PROG

510000

5.How many students will benefit per year?

Approximately 12,000

6. Describe the benefit?

Twenty-five additional locations that are wireless accessible will increase the ability of students to do their homework on campus, utilizing their own computer equipment. This will help to expand access to necessary resources with a very low costs compared to the number of students affected.

COMPUTER HARDWARE $

32000

COMPUTER SOFTWARE $

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: