

IT 2008-09 Initiative: VMWare Lab System

Summary:

This initiative would allow us to give users on-demand access to machines and systems they need, while leaving IT in administrative control, all while achieving significant savings through reduced server, storage, and provisioning costs. This funding would allow us to purchase the hardware, software and training necessary to implement the use of VMWare Lab Manager.

Description:

Through the use of VMWare Lab Manager, we can reduce staff time required to maintain labs/classrooms by allowing us to leverage the software to setup labs more quickly by reducing the need to touch each individual computer in the room.

We can automate the setup, capture, storage and sharing of multi-machine system configurations with VMWare Lab Manager. With its shared image library and shared pool of virtualized servers, VMWare Lab Manager allows efficient storage and sharing of multi-machine configurations across rooms.

This initiative will eliminate the painstaking hours-long process of gathering machines, installing operating systems, installing and configuring applications and establishing inter-machine connections. With a single click, we will be able to provision multi-tier systems nearly instantly. We will also be able to give students self-service access to the image library, allowing them to fulfill their own provisioning needs while leaving IT in control of user management, storage quotas and server deployment policies - achieving the best of both worlds.

Funding of this initiative will add the hardware and software necessary to provide these time-savings while providing a more robust computing experience for all students who utilize the Instructional Computing supported labs/classrooms.

Strategic Direction

- Build organizational capacity and systems to support student success and effective operations.
- Create, enhance, and maintain inviting and welcoming facilities that are safe, accessible, functional, well-equipped, aesthetically appealing and environmentally sound.
- Foster the personal, professional, and intellectual growth of learners by providing exemplary and innovative teaching and learning experiences and student support services.

- Position Lane as a vital community partner by empowering a learning workforce in a changing economy.

Learning Plan Goals

- Facilities enhancement.
- Increase support for innovation in instruction.
- Organize coordinated support for Instructional technology.

Student Affairs Plan Goals

- Assess the general college environment, including adequate academic and non-academic spaces for students.

College Council Priorities

- 3. Efficiencies
- 4.3 Responding to unit plans/council plans: Enhancing Classrooms
- 5.2 Instructional Redesign: Leveraging Technology

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 previous and current IT efficiency and productivity unit plans through the primary goal of reducing capital and operating costs for the college.

With this system, we will consume resources as they are needed instead of maintaining multiple systems that are only used sporadically. VMWare Lab Manager lets you pool and share resources to meet the needs of our students resulting in maximum utilization - and increased cost savings.

Describe the resources needed:

Computer Hardware/Licensing/Software/Implementation

- c-Class Server Enclosure with monitor (CH) \$8,610.00
- Cisco Catalyst Blade Switch (CH) \$3,328.00
- 4GB SAN Switch (CH) \$4,499.00
- 3 Server Blades (CH) \$34,197.00
- 18 Hard Drives (CH) \$8,925.00
- HP Care Pack 5-year, 4 hour, 24x7 Hardware Support(LIC) \$4,192.00
- VMWare Lab Manager Server Licensing and Maintenance (CS) \$16,000.00
- Implementation Services and Training for 2 employees (INS) \$7,000.00

Request: Technology Fee (CH) \$59,559.00

Request: Technology Fee (CS) \$16,000.00

Request: Technology Fee (LIC) \$4,192.00

Request: Technology Fee (INS) \$7,000.00

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.

Decreased staff implementation and support time for all supported labs, as well as improved services for students. It is also expected that overall costs for maintaining computer equipment in all 51 Instructional Computing supported labs/classrooms will decrease as the use of this system may allow us to extend the replacement timelines for all computers.

This can be measured through historical replacement data as well as through information gathered from students in relation to their overall computing experience at Lane.

Department Priority:

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Unit Resources:

Technician and Network Administrator staff time to setup and maintain the system will be required, as well as training time for 2 staff members.

Carl Perkins Funding Request

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.

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):

Todd Lutz
Eric Andersen
Barbara McIntire

4a. Budget ORGN

320301

4b. Budget PROG

210000

5. How many students will benefit per year?

~19000

6. Describe the benefit?

The benefit to students will be a more versatile and robust computing experience, which will enhance each students overall ability to successfully complete their courses.

COMPUTER HARDWARE \$

59559

COMPUTER SOFTWARE \$

16000

STAFFING \$

Question Not Answered

INSTALLATION \$

7000

LICENSING \$

4192

Can this initiative be partially funded?

No

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

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