

DEPARTMENT: Business Technologies

PRIORITY: 9

PROGRAM: All Professional Technical degree programs in department.

INITIATIVE TITLE: Update computer lab server equipment.

DESCRIPTION: The existing server cluster is three years old and running hardware that is no longer available through the manufacturer. It is recommended that the existing cluster be replaced with a prepackaged cluster from HP. Optimally, the cluster would be mirrored. This would eliminate the need for tape back up and eliminate the single point of failure (the fiber switch) that has caused problems in the past, and insure true 24x7 service. All of the students in the Business Technologies department programs (approx. 1200 per term) will benefit from this as well all of the students that are required to take business related classes to meet transfer or other degree requirements at LCC, and all other programs who use the computer lab classrooms.

RESOURCES NEEDED:

Option 1:

2 ProLiant DL380 G3 Packaged Cluster Intel®Xeon™ 2.80GHz/512KB	\$25,000
Total	\$50,000

If both server package clusters cannot be funded, one would greatly increase performance and reliability. This type of server cluster set up is part of the department's long-term equipment plan. It will allow the department to respond to changing technological needs of the community quickly and efficiently, and expand the ability to strategically develop new learning opportunities. The servers being replaced could in all likelihood be used by other units on campus or at the outreach centers where the demand on equipment is not as high.

Option 2:

If no server package clusters can be funded, some upgrades to the existing set up need to be purchased in order to keep it operational:

Upgrade RAM in Zenworks server	\$1,400 (from 2 to 4 GB)
Upgrade RAM in Virtual Office server	\$1,400 (from 1.5 to 3.5 GB)
Replace Trouble Log server	\$3,000
Total	\$5,800

FUNDING SOURCES:

Carl Perkins

1. What evidence do you have that shows special populations have access to your programs?
Women comprised between 83 & 100% of BT degree programs population of students in 2002-03. Minority students comprised from 9 to 19% of BT degree programs population in 2002-03.
2. How does this request fit in with at least two of the Carl Perkins related goals?
Goal 1 – Improving Academic and Technical Skills.
This project will allow students to strengthen their technical skills by allowing them to gain the necessary knowledge and skills in current industry standard software programs. The business computer labs are used by students in a wide variety of Business Technologies courses as well as other programs from across campus. We need to keep our facilities

updated so that academic and technical skills are taught in an environment that students will encounter in the workplace.

Goal #2 – Special Populations

This project will serve many special populations including disabled persons, academically and economically disadvantaged students, and students with limited English proficiency. A majority of students enrolled in Business Technologies programs are members of targeted populations. Many are returning to the work force or upgrading their technical skills in order to retain their current jobs, seek promotions, or retool for new positions.

3. Describe how this project might show collaboration with Lane County high schools. Funding to upgrade computers to the current industry standard will help faculty deliver the most current curriculum. This new curriculum will be shared through articulation agreements with 13 local-area high schools.

TACT Funds

1. Category of request: Maintain existing technology.
2. How does this request fit in with other unit or college technology plans? The college is committed to maintaining the instructional technical facilities at the level expected by the local community for graduates of technical programs.
3. Cost breakdown, including any unit resources being applied to project.

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ORG/PROG CODES:

INITIATIVE ARTICULATION WITH COLLEGE'S VISION, MISSION, & GOALS: This initiative supports the college's Mission to provide quality educational opportunities for Professional Technical and Lower Division College Transfer programs, skill upgrading, and career enhancement. This initiative also correlates with the Core Values of Learning, Innovation, and Accessibility.