

DEPARTMENT: Computer Information Technology
PROGRAM: Network Operations Degree

The following four initiatives would require the addition of another contracted faculty member. This comprises initiatives titled:

1. Security Certification,
2. CIS 227H Hardware Requirement for Network Degree
3. Wireless Networking
4. WAN Theory and Troubleshooting

INITIATIVE TITLE: Security Certification

Priority: 16

DESCRIPTION:

This initiative will utilize instructional and computer lab resources more efficiently. It will focus on collaborating with Business, Workforce Development & Extended Learning to create and offer a series of security and firewall courses that could be taken by both noncredit and credit students. The series could focus on certification. This project could be used to produce a working model for collaboration (between CIT and BWEL) on technical content courses. These courses would be taught in the CIT Network Bench lab (building 19, room 130). The CIT advisory committee has recommended that we have more security material required in the Network program, therefore these courses would be required for Network majors. Usually there are 40 to 55 network majors per year. It is also anticipated that these course would generate considerable interest from the community and previous Network degree graduates. Since most organizations use network firewalls and require a secure network, the Network Degree majors will be more employable.

RESOURCES NEEDED:

1. Professional development funds to train faculty. Estimated cost is \$3,000 to \$5,000.
2. One-third faculty release time for two terms to develop curriculum.
3. Part of a contracted faculty member's workload. Assuming that this project produced three new classes and two sections of each class were offered per year, these six additional classes would be .5 FTE of a new contracted faculty member's workload.
4. Adequate firewall software and/or hardware (12 to 24 units) would need to be purchased for this project. Estimated cost is \$25,000.

FUNDING SOURCES:

Professional development funds.
Curriculum development release time
new General Funds would be required for the faculty member.

Carl Perkins

1. What evidence do you have that shows special populations have access to your programs?

Women comprised 26% of CIT degree programs population of students in 2002-03. Minority students comprised 14% of CIT 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 hardware and software programs. We need to keep our facilities secure so that academic and technical skills are taught in an adequate environment.

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. Many of our students 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. This initiative does not have a collaborative component with local high schools.

TACT Funds

1. Category of request: Increase student access to new 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.
12-24 student firewall hardware and software units: estimated cost = \$25,000

ORG & PROG codes (of FOAP):

How does this project articulate with college's Vision, Mission, & Goals and contribute toward meeting the President's/Board's approved goals?

This initiative directly supports the college's Mission to provide quality professional technical and lower division college transfer programs. This initiative promotes the Learning Core Value of working together to create a learning-centered environment through the course's hands-on laboratory experience. This initiative also supports the Innovation Core Values of promoting experimentation and institutional transformation, of responding to technological changes, and of acting systematically to change. It will create a new synergism between separate college departments. The initiative supports the Collaboration and Partnership Core Value by providing the opportunity for community employees to upgrade their skills in a rapidly emerging technology.