

DEPARTMENT: Computer Information Technology

PROGRAM: Network Operations Degree

Priority 3

INITIATIVE TITLE: CS 288 Modification - Increase Network Security Materials

DESCRIPTION:

We need to add theory and hands-on activities covering network security and Network Address Translation to the existing CS 288 course. The CIT advisory committee has recommended that we have more security curriculum in the Network program because most organizations use network firewalls and other security-based technology. Five weeks of LINUX material will be replaced with five weeks of network security topics and activities. This course is a Network Degree requirement and is taught in the CIT Network Bench lab (building 19, room 130). Usually 40 to 55 students per year are enrolled in this course. Since most organizations use network firewalls and require a secure network, the Network Degree majors will be more employable.

RESOURCES NEEDED:

100 hours of curriculum development funds would be required to develop the new firewall and security materials. For now we can use free and demo versions of firewall software. Although we anticipate that as the security products evolve, the curriculum will need to evolve with it, and we will need to purchase software to keep the curriculum current. 100 hours @ \$25.94 = \$2594

FUNDING SOURCES:

Curriculum Development fund

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 Value of responding to technological changes. 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.