

## Course Outcomes Guide

**Course Title: IST 267 Network Security**

**Course Instructor(s): Steve Shank/Tony Campello**

**Programs: IST Networking Track I, IST Networking Track II, Forensics**

### Expected Learning Outcomes

- Think critically
- Communicate effectively with both verbal and written forms
- Produce a presentation utilizing office productivity software
- Perform and share cooperatively in team projects
- Review and practice computer and network etiquette and ethics found in working environments
- Administer a network infrastructure
- Troubleshoot problems in an existing network environment
- Evaluate and implement new and future technologies into current system
- Evaluate best practices in security concepts to maintain confidentiality, integrity and availability of computer systems

**Assessment** (How do students demonstrate achievement of these outcomes?)

Satisfactory scores on exams and projects.

Satisfactory scores on exams modeled after industry standard certification exams. Models are developed from the following certification exams: CompTia, Security+, and CISSP.

Participation/Discussion/Research – Various topics will be discussed and examined during a portion of the class contact time during Discussion Boards.

Paper 1- Compare and Contrast CISSP Exam with another security exam.

Paper 2- Thoroughly examine and explain one of the domains of security, the importance of that domain, along with elements and controls in that domain

**Validation** (What methods are used to validate your assessment?)

## Course Outcomes Guide

1. Approval of Information Systems Technology Advisory Council
2. Tests comparable to Industry Standard Certification Exams.
3. Faculty Review
4. CyberWatch approved curriculum
5. National Security Telecommunications and Information Systems Security organization approved HCC security curriculum for standards 4011 and 4013
6. Department of Homeland Security and NSA awarded HCC security curriculum CAE (Center of Academic Excellence) status.

### **Results** (What do the data show?)

100% of students completing course requirements successfully complete coursework

### **Follow-up** (How have you used the data to improve student learning?)

Have placed greater emphasis on sharing of ideas through discussion boards.

Have added a research component in the form of reports.

### **Budget Justification**

(What resources are necessary to improve student learning?)

PC lab hardware; switches, routers, projection unit, cabling, tools, printers, PCs, servers

Security hardware and software

Simulation software, Virtual PC licenses.

Course Management software

Classroom Management system software