Course Prefix and Number: **ITN 263**  
Credits: **4**

**Course Title:** Internet/Intranet Firewalls and e-Commerce Security

**Course Description**

Explores indepth firewall, Web security, and e-Commerce security. Covers firewall concepts, types, topology, and the firewall's relationship to the TCP/IP protocol. Discusses client/server architecture, the Web server, HTML, and HTTP in relation to Web Security, and digital certification, D.509, and public key infrastructure (PKI). Prerequisite: ITN 262 or school approval. Lecture 4 hours per week.

**General Course Purpose**

This course examines web security, e-commerce security, and the implementation of firewalls.

**Course Prerequisites/Corequisites**

ITN 262 or school approval

**Course Objectives**

Upon completing the course, the student will be able to:

1. explain risk analysis.
2. explain web security.
3. explain e-commerce security.
4. explain Virtual Private Networks (VPN).
5. explain firewall topology.
6. explain HTML and HTTP in relation to web security.

**Major Topics to be Included**

- Risk Analysis
- Major TCP/IP Protocols
- Network security principles
- Implementation and configuration of Firewalls
- Encryption principles
- E-commerce security
- Web Security

**Effective Date of Course Content Summary:** 9/25/2008