

**J. Sargeant Reynolds Community College  
Course Content Summary**

**Course Prefix and Number:** ITN 266    **Credits:** 4

**Course Title:** Network Security Layers

**Course Description**

Explores indepth various security layers needed to protect the network. Addresses network security from the viewpoint of the environment in which the network operates and the necessity to secure that environment to lower the security risk to the network. Includes physical security, personnel security, operating system security, software security, and database security. Prerequisite: ITN 262 or school approval. Lecture 4 hours per week.

**General Course Purpose**

This course provides advanced examination of network security.

**Course Prerequisites/Corequisites**

ITN 262 or school approval

**Course Objectives**

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

- a. understand the danger to the network presented by trusted employees
- b. understand the concept and principles of in-depth security
- c. understand physical and personnel security
- d. understand operating system, application software, and database security

**Major Topics to be Included**

- a. Physical Security
- b. Personnel Security
- c. Computer System Security
- d. Local Area Network Security
- e. Application Software Security
- f. Communication Security
- g. Database Security

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