

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

Course Prefix and Number: ITN 261 **Credits:** 4

Course Title: Network Attacks, Computer Crime, and Hacking

Course Description:

Encompasses in-depth exploration of various methods for attacking and defending a network. Explores network security concepts from the viewpoint of hackers and their attack methodologies. Includes topics about hackers, attacks, Intrusion Detection Systems (IDS), malicious code, computer crime, and industrial espionage. Prerequisite: ITN 260 or school approval. Lecture 4 hours. Total 4 hours per week. 4 credits

General Course Purpose:

This course covers advanced network attack techniques.

Course Prerequisites and Co-requisites:

ITN 260 or school approval

Student Learning Objectives:

Upon completing the course, the student will be able to

- Analyze hacker attack techniques, methodologies, and tools;
- Thwart network worms, viruses, and malicious code;
- Utilize network Intrusion Detection Systems (IDS);
- Analyze computer crime; and
- Analyze and evaluate industrial espionage.

Major Topics to Be Included:

- Network attacks
- Network worms, viruses, and