

**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 malicious code
- Intrusion Detection Systems (IDS)
- Computer crime

**Date Created/Updated:** January 20, 2022