

**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. Lecture 4 hours per week.

General Course Purpose: This course covers advanced network attack techniques.

Course Prerequisites and Co-requisites:

None

Student Learning Objectives:

Upon completing the course, the student will be able to

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

Major Topics to Be Included:

- a. Network attacks
- b. Network worms, viruses, and malicious code
- c. Intrusion Detection Systems (IDS)
- d. Computer crime

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