

# CIT 240 - NETWORK SECURITY MANAGEMENT

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- Recognize the importance of staying updated on technology.
- Seek out solutions to problems on their own.

## Course Description

This course covers the knowledge and skills required to install and configure systems to secure applications, networks, and devices while supporting the principles of confidentiality, integrity, and availability. Additional topics include threat analysis and mitigation, risk assessments, and compliance. Course content is mapped to the CompTIA Security+ certification exam objective. Group 2 course.

## Credit Hours

3

## Contact Hours

4

## Lecture Hours

2

## Lab Hours

2

## Recommended Prerequisites or Skills Competencies

CIT 213

## General Education Outcomes supported by this course

Critical Thinking - Direct

## Course Learning Outcomes

### Knowledge:

- Summarize security threats used to compromise systems.
- Identify practices used to protect Information Systems.
- Summarize access control methods used in contemporary networks.
- Summarize identity management methods used in contemporary networks.
- Summarize cryptographic algorithms used to protect Information Systems.

### Application:

- Protect a network based on best practices.

### Integration:

- Evaluate security options based on best practices.
- Discuss the importance of balancing security and cost.

### Human Dimension:

- Discuss how their security practices impact those of others.
- Work with others to achieve a desired outcome.

### Caring - Civic Learning:

- Discuss how security is the responsibility of everyone within a business.
- Explore ethical dilemmas related to technology.

### Learning How to Learn: