

CIT 266 - ADVANCED ENTERPRISE SECURITY

- Acknowledge the ever-changing role of IT in business environments requiring evolving skillsets.
- Apply knowledge to future certification exams.

Course Description

In this course, students will explore enterprise solutions to risk management as well as security architecture, operations, integration and collaboration. Students will conceptualize, engineer, and implement secure solutions across a complex environment to create a resilient enterprise network. The course aligns with the CompTIA Security X certification exam objectives. Group 2 course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Required Prerequisites

CIT 263, CIT 264

Recommended Prerequisites or Skills Competencies

CIT 256

General Education Outcomes supported by this course

Critical Thinking - Direct

Course Learning Outcomes

Knowledge:

- Describe network security threats and defense mechanisms.
- Identify tools required in network defense.
- Discuss security assessments and tools as they apply to industry.

Application:

- Demonstrate security mechanisms in enterprise-level deployments.
- Administer high-level security protocols.

Integration:

- Apply knowledge to real-world situations.
- Integrate knowledge from multiple security courses to develop in-depth solutions.
- Evaluate potential for integration with hosts, storage, cloud, virtualization, authentication and authorization services.

Human Dimension:

- Collaborate in small teams to achieve desired outcomes.

Caring - Civic Learning:

- Explore the impact of security decisions on business work flows.
- Evaluate ethical dilemmas as they apply in a business environment.

Learning How to Learn: