CIT 266 - ADVANCED ENTERPRISE SECURITY

Course Description

In this course, students will work in small teams with realizable objectives in several areas including risk management, security architecture, security operations, security integration, and security collaboration. Students will conceptualize, engineer, and implement secure solutions across complex environments to create a resilient enterprise. This course aligns with the CompTIA CASP+ certification exam. 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:
- Acknowledge the ever-changing role of IT in business environments requiring evolving skillsets.
- Apply knowledge to future certification exams.