
COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

INTRUSION DETECTION

SEC-210 **Intrusion Detection** **3 (2-2)** **Fall**

Prerequisites:

Corequisites:

This course introduces the student to intrusion detection methods in use today. Topics include the types of intrusion detection products, traffic analysis, and planning and placement of intrusion detection solutions. Upon completion, students should be able to plan and implement intrusion detection solution for networks and host-based systems. (2016 FA)

SECURITY ADMINISTRATION I

SEC-160 **Security Administration I** **3 (2-2)** **Spring**

Prerequisites:

Corequisites:

This course provides an overview of security administration with an emphasis on designing secure network architectures. Topics include networking technologies, TCP/IP fundamentals, network protocols, traffic analysis, monitoring strategies, and established security best practices. Upon completion, students should be able to use advanced network analysis tools to monitor network traffic and develop security measures to safeguard against various threats.(2025 FA)

SECURITY CONCEPTS

SEC-110 **Security Concepts** **3 (2-3)** **Fall**

Prerequisites:

Corequisites:

This course introduces the concepts and issues related to securing information systems and the development of policies to implement information security controls. Topics include the historical view of networking and security, security issues, trends, security resources, and the role of policy, people, and processes in information security. Upon completion, students should be able to identify information security risks, create an information security policy, and identify processes to implement and enforce policy.(2025 FA)