

# SEC 15 Secure Communications

COURSE DESCRIPTION:

Prerequisites:

- a. Securing Device Access Configure secure administrative access
  - b. Assigning Administrative Roles Configure command authorization using privilege levels and role-based CLI
  - c. Monitoring and Managing Devices Implement the secure management and monitoring of network devices.
  - d. Using Automated Security Features Use automated features to enable security on IOS-based routers.
- III. Authentication, Authorization and Accounting Secure administrative access with AAA
- a. Purpose of AAA Explain how AAA is used to secure a network.
  - b. Local AAA Authentication Implement AAA authentication that validates users against a local database.
  - c. Server-Based AAA Explain server-based authentication.

- a. ASA Security Device Management Implement an ASA firewall configuration.
  - b. ASA VPN Configuration Configure remote access VPNs on an ASA.
- XI. Managing a Secure Network Test network security and create a technical security policy.
- a. Network Security Testing Explain the various techniques and tools used for network security testing.
  - b. Developing a Comprehensive Security Policy Explain how to develop a comprehensive security policy.