

## Course Outline

**Module 1:** Computer Network and Defense Fundamentals.

**Module 2:** Network Security Threats, Vulnerabilities, and Attacks.

**Module 3:** Network Security Controls, Protocols, and Devices.

**Module 4:** Network Security Policy Design and Implementation.

**Module 5:** Physical Security.

**Module 6:** Host Security.

**Module 7:** Secure Firewall Configuration and Management.

**Module 8:** Secure IDS Configuration and Management.

**Module 9:** Secure VPN Configuration and Management.

**Module 10:** Wireless Network Defense.

**Module 11:** Network Traffic Monitoring and Analysis.

**Module 12:** Network Risk and Vulnerability Management.

**Module 13:** Data Backup and Recovery.

**Module 14:** Network Incident Response and Management.