

Cybersecurity Audit Certificate Course Outline

Section 1—Introduction

- Digital Asset Protection
- Lines of Defense
- Role of Audit
- Audit Objectives
- Audit Scope

Section 2—Cybersecurity Governance

- Cybersecurity Roles and Responsibilities
- Security Frameworks
- Security Organization Goals & Objectives
- Cybersecurity Policy and Standards
- Cyber and Legal/ Regulatory Requirements
- Information Asset Classification
- Cybersecurity Insurance
- Cybersecurity Risk Assessment
- Cybersecurity Awareness Training & Education
- Social Media – Risk and Control
- Third-Party Assessment
- Service Providers
- Supply Chain Risk Management
- Performance Measurement

Section 3—Cybersecurity Operations

- Concepts and Definitions
- Threat and Vulnerability Management
- Enterprise Identity and Access Management
- Configuration Management / Asset management
- Change Management
- Patch Management
- Network Security
- Build and Deploy/Secure Authorization Process for Information Technology
- Incident Management
- Client Endpoint Protection
- Application Security
- Data Backup and Recovery
- Security Compliance
- Cryptography

Section 4—Cybersecurity Technology Topics

- Firewall and Network Security technologies
- Security Incident & Event Management (SIEM)
- Wireless Technology
- Cloud Computing
- Mobile Security
- Internet of Things (IoT)
- Virtualization Security
- Industrial Control Systems (ICS)