

Course: SEC401: Security Essentials Bootcamp Style

Course Outline

SEC401.1: Network Security Essentials

- Module 1: Defensible Network Architecture
- Module 2: Virtualization and Cloud Security
- Module 3: Network and Device Security
- Module 4: Networking and Protocols
- Module 5: Securing Wireless Networks
- Module 6: Securing Web Communications

SEC401.2 Defense-In-Depth and Attacks

- Module 7: Defense-in-Depth
- Module 8: Access Control & Password Management
- Module 9: Security Privacy
- Module 10: Critical Security Controls
- Module 11: Malicious Code and Exploit Mitigation
- Module 12: Advanced Persistent Threat (APT)

SEC401.3 Threat Management

- Module 13: Vulnerability Scanning and Penetration Testing
- Module 14: Network Security Devices
- Module 15: Endpoint Security
- Module 16: SIEM/Log Management
- Module 17: Active Defense

SEC401.4 Cryptography, Risk Management and Response

- Module 18: Cryptography
- Module 19: Cryptography Algorithms and Deployment
- Module 20: Applying Cryptography
- Module 21: Incident-Handling Foundations
- Module 22: Contingency Planning - BCP/DRP
- Module 23: Risk Management

SEC401.5 Windows Security

- Module 24: The Windows Security Infrastructure
- Module 25: Service Packs, Hotfixes, and Backups
- Module 26: Windows Access Controls
- Module 27: Enforcing Security Policy
- Module 28: Securing Windows Network Services
- Module 29: Automation, Auditing, and Forensics

Sec401.6 Linux Security

- Module 30: Linux Security: Structure, Permissions and Access
- Module 31: Hardening and Securing Linux Services
- Module 32: Monitoring and Attack Detection
- Module 33: Security Utilities