

SEC275.1: System Architecture, Operating System, and Linux

- Intro to Computer Hardware
- Data Storage and Representation
- Logic and Data Manipulation
- Storing Data and Files
- Cloud Computing
- CPU and Memory
- Monitoring and Execution
- Advanced Storage
- Operating Systems
- Virtualization
- Containers
- Introduction to Linux
- The Linux Environment
- Linux Navigation
- Linux Commands
- Basics
- Remote Access
- Building Software
- Troubleshooting
- Linux Architecture & Components

SEC275.2: Search, Web, and Networking

- Search Superpowers
- WWW and Serving
- Networking
- Types of Networks
- Protocols
- Email networking
- DNS
- IP addresses

SEC275.3: Introduction to Servers and Programming

- Introduction to Servers
- Web Servers
- Database Servers
- DNS Servers
- Log Servers
- Email Servers
- Programming
- Python

- Conditionals, loops, functions, user input, and objects
- PEP 8 style guide
- C
- Pointers

SEC275.4: Security Concepts and Advanced Security Concepts

- Encryption
- Security
- Security Distributions
- Reconnaissance
- Forensics
- Exploitation
- Privilege Escalation
- Persistence
- Lateral Movement
- Exfiltration

SEC301.1: Security's Foundation

SEC301.2: Computer Function and Networking

SEC301.3: An Introduction to Cryptography

SEC301.4: Cyber Security Technologies - Part 1

SEC301.5: Cyber Security Technologies - Part 2

SEC401.1: Network Security and Cloud Essentials

Module 1: An Introduction to SE401

Module 2: Defensible Network Architecture

Module 3: Protocols and Packet Analysis

Module 4: Virtualization and Cloud Essentials

Module 5: Securing Wireless Networks

SEC401.2: Defense in Depth

Module 6: Defense in Depth

Module 7: Identity and Access Management

Module 8: Authentication and Password Security

Module 9: Security Frameworks

Module 10: Data Loss Prevention

Module 11: Mobile Device Security

SEC401.3: Vulnerability Management and Response

Module 12: Vulnerability Assessments

Module 13: Penetration Testing

Module 14: Attacks and Malicious Software

Module 15: Web Application Security

Module 16: Security Operations and Log Management

Module 17: Digital Forensics and Incident Response

SEC401.4: Data Security Technologies

Module 18: Cryptography

Module 19: Cryptography Algorithms and Deployment

Module 20: Applying Cryptography

Module 21: Network Security Devices

Module 22: Endpoint Security

SEC401.5: Windows and Azure Security

Module 23: Windows Security Infrastructure

Module 24: Windows as a Service

Module 25: Windows Access Controls

Module 26: Enforcing Security Policy

Module 27: Microsoft Cloud Computing

Module 28: Automation, Logging, and Auditing

SEC401.6: Linux, AWS, and Mac Security

Module 29: Linux Fundamentals

Module 30: Linux Security Enhancements and Infrastructure

Module 31: Containerized Security

Module 32: AWS Fundamentals

Module 33: AWS Security Controls

Module 34: AWS Hardening

Module 35: macOS Security