Planprogram

Cybersecurity Essentials

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Level: Beginner
Duration: 70 hrs.

Cyber-attacks increase with every digital connection made around the world. Learn how to protect and defend an organization and gain employable skills to start your cyber career.

Cyber threats affect us all, and cybersecurity jobs continue to grow. In fact, cybersecurity failure is among the top 5 global risks according to the World Economic Forum Global Risks Report (2021).

The world needs diverse, tech-savvy cyber professionals to defend against shrewd digital adversaries. This Cybersecurity Essentials course prepares you for the entry-level Cisco Certified Support Technician (CCST) Cybersecurity certification and entry-level cybersecurity positions such as Cybersecurity Technician, Junior Cybersecurity Analyst, or Tier 1 Help Desk Support roles. You will learn vital skills like threat intelligence, network security, and risk management to protect yourself and organizations from cyber-attacks. If you enjoy solving puzzles, are passionate about technology, and like working in teams, the field of cybersecurity may be a great fit for you!

Here's what you will learn.

My Knowledge Check
Course Introduction
- Module 1: Cybersecurity Threats, Vulnerabilities, and Attacks
- Module 2: Securing Networks
- Module 3: Attacking the Foundation
- Module 4: Attacking What We Do
- Module 5: Wireless Network Communication
- Module 6: Network Security Infrastructure

Checkpoint Exam: Network Security
- Module 7: The Windows Operating System
- Module 8: Linux Overview
- Module 9: System and Endpoint Protection
- Module 10: Cybersecurity Principles, Practices, and Processes

Checkpoint Exam: OS and Endpoint Security
- Module 11: Understanding Defense
- Module 12: System and Network Defense
- Module 13: Access Control

Checkpoint Exam: Principles, Practices, and Processes of Network Defense
- Module 14: Access Control Lists
- Module 15: Firewall Technologies
- Module 16: Zone-Based Policy Firewalls
- Module 17: Cloud Security
- Module 18: Cryptography

Checkpoint Exam: Firewalls, Cryptography, and Cloud Security.
- Module 19: Technologies and Protocols
- Module 20: Network Security Data
- Module 21: Evaluating Alerts

Checkpoint Exam: Evaluating Security Alerts
- Module 22: Governance and Compliance
- Module 23: Network Security Testing
- Module 24: Threat Intelligence
- Module 25: Endpoint Vulnerability Assessment
- Module 26: Risk Management and Security Controls

Checkpoint Exam: Vulnerability Assessment and Risk Management
- Module 27: Digital Forensics and Incident Analysis and Response

Checkpoint Exam: Incident Response
- Cybersecurity Essentials Course Final Exam

Certification Exam: Cisco Certified Support Technician (CCST) Cybersecurity