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Learning Style: On Demand

Technology: EC-Council

Difficulty: Beginner

Course Duration:

Network Defence Essentials



About this Course:

Network Defense Essentials covers the fundamental concepts of information security and network defence. This introductory cybersecurity course is designed for today's entry-level information security or cybersecurity careers and is ideal for learners aspiring to pursue a career in cybersecurity.

Course Objectives:

- Fundamental concepts of network security
- Identification, authentication, and authorization
- Administrative network defense controls
- Physical network defense controls
- Technical network defense controls
- Virtualization and cloud computing concepts and best practices
- Wireless network fundamentals, types of wireless encryption, and security measures
- Mobile device security
- IoT device security
- Cryptography techniques, cryptographic algorithms, and Public Key Infrastructure (PKI)
- Data security concepts, data encryption, and data loss prevention
- Network traffic monitoring

Audience:

- Person with Working knowledge of IT networking and basic cybersecurity concepts.

Prerequisites:

- None

Course Outline:

Module 00: Introduction to the NDE Course

Module 01: Network Security Fundamentals

Module 02: Identification, Authentication, and Authorization

Module 03 Network Security Controls - Administrative Controls

Module 04: Network Security Controls - Physical Controls

Module 05: Network Security Controls - Technical Controls

Module 06: Virtualization and Cloud Computing

Module 07: Wireless Network Security

Module 08: Mobile Device Security

Module 09: IoT Device Security

Module 10: Cryptography and PKI

Module 11: Data Security

Module 12: Network Traffic Monitoring