

N|DE Program Overview

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

The course gives a holistic overview of the key components of information security, which include identification, authentication, and authorization, virtualization and cloud computing, wireless networks, mobile and IoT devices, and data security. The interactive labs component ensures that learners receive the hands-on, practical experience required for a future in cybersecurity.

N|DE Course Outline

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

Who Is it For?

School students, fresh graduates, Professionals, Career starters and switchers, IT / Technology / Cybersecurity teams with little or no work experience.

N|DE Key Features

- 14+ hours of premium self-paced video training.
- 11 lab activities in a simulated lab environment.
- 750+ pages of ecourseware.
- Capstone Projects with Real-World CTF Challenges.
- Proctored exam.

Training & Exam

Training Details: Self-paced, in-demand lecture videos led by world-class instructors and hands-on labs.

Pre-requisite: No prior cybersecurity knowledge or IT work experience required.

Exam Details:

Exam Code: 112-51

Number of Questions: 75

Duration: 2 hours

Test Format: Multiple Choice