

Certified Network Defender (CND)

Introduction

The CND certification program focuses on training Network Administrators to protect, detect, respond to, and predict threats on the network. This builds upon the typical knowledge and skills of Network Administrators in network components, traffic, performance and utilization, network topology, system locations, and security policies.

Key Outcomes

- Adaptive Security Strategy - Protect, Detect, Respond, and Predict.
- IoT Security - challenges and measures to mitigate.
- Implementing and managing the security of virtualization technologies.
- Mobile security measures and enterprise mobile device security.
- Cloud security with enterprise cloud security.
- Threat intelligence concepts

Course Outline

Module 01: Network Attacks and Defense Strategies
Module 02: Administrative Network Security
Module 03: Technical Network Security
Module 04: Network Perimeter Security
Module 05: Endpoint Security-Windows Systems
Module 06: Endpoint Security-Linux Systems
Module 07: Endpoint Security- Mobile Devices
Module 08: Endpoint Security-IoT Devices
Module 09: Administrative Application Security
Module 10: Data Security
Module 11: Enterprise Virtual Network Security
Module 12: Enterprise Cloud Network Security
Module 13: Enterprise Wireless Network Security
Module 14: Network Traffic Monitoring and Analysis
Module 15: Network Logs Monitoring and Analysis
Module 16: Incident Response and Forensic Investigation
Module 17: Business Continuity and Disaster Recovery
Module 18: Risk Anticipation with Risk Management
Module 19: Threat Assessment with Attack Surface Analysis
Module 20: Threat Prediction with Cyber Threat Intelligence

Prerequisites

Attend Official Network Security Training by EC-Council:

- If a candidate has completed an official EC-Council training either at an Accredited Training Center, via the iClass platform, or at an approved academic institution, the candidate is eligible to attempt the relevant EC-Council exam without going through the application process.

Target Audience

Certified Network Defender v2 is recommended for individuals who have a fundamental knowledge of networking concepts. It will also help individuals from the below-mentioned job roles progress further in their career:

- Network Administrators
- IT Administrators
- Network Engineers
- Data Analysts
- Network Technicians

Duration

40 hours training course