



# 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