Over 35 Years Of Technology Training

**Document Generated: 10/28/2025**

**Learning Style: Virtual Classroom**

**Technology: EC-Council**

**Difficulty: Beginner**

**Course Duration: 5 Days**

**Next Course Date: December 1, 2025**

# EC-Council Certified Network Defender (CNDv3) Instructor Led Training


## What's Included:

- *Official EC Council Print or e-courseware included*

- *Official EC Council ilabs included*
- *EC Council Exam Voucher included*

## About this Course:

Certified Network Defender (CND) is a vendor-neutral, hands-on, comprehensive network security certification training program. It is a skills-based, lab intensive program based on a job-task analysis and cybersecurity education framework by the National Initiative of Cybersecurity Education (NICE). The course has also been mapped to global job roles and to the Department of Defense (DoD) job roles for system/network administrators.

The program prepares network administrators on network security technologies and operations to attain Defense-in-Depth network security preparedness. It covers the protect, detect and respond approach to network security. The course contains hands-on labs, based on major network security tools and techniques which will provide network administrators real world expertise on current network security technologies and operations. The study-kit provides over 10 GB of network security best practices, assessments and protection tools. The kit also contains templates for various network policies and white papers for additional learning.

## Course Objectives:

- You will learn how to protect, detect and respond to the network attacks.
- You will learn network defense fundamentals, the application of network security controls, protocols, perimeter appliances, secure IDS, VPN and firewall configuration.
- You will then learn the intricacies of network traffic signature, analysis and vulnerability scanning which will help you when you design greater network security policies and successful incident response plans. These skills will help you foster resiliency and continuity of operations during attacks.

## Audience:

- Network Administrators
- Network security Administrators
- Network Security Engineer
- Network Defense Technicians
- CND Analyst
- Security Analyst
- Security Operator
- Anyone who involves in network operations

## 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

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