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EC-Council Certified Network Defender (CND) Training

EC-Council Authorized Training · Applied Technology Academy

Certified Network Defender (C|ND) is a vendor-neutral, hands-on, instructor-led comprehensive network security certification training program. It is a skills-based, lab-intensive network security training program based on a job-task analysis and cybersecurity education framework presented by the National Initiative of Cybersecurity Education (NICE).

LEVEL	DURATION	EXPERIENCE	AVERAGE SALARY	LABS
Beginner	**5 Days**	**None (networking fundamentals recommended)**	**$87,000**	**Yes**

Course Overview

The network security training course has been mapped to global job roles and responsibilities and the Department of Defense (DoD) job roles for system/network administrators. The course is designed and developed after extensive market research and surveys.

The network security 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 you with over 10 GB of network security best practices, assessments and protection tools. The kit also contains templates for various network policies and a large number of white papers for additional learning.

- Acquired Skills
- Network security management
- Network security policies and procedures
- Windows and Linux security administration
- Mobile and IoT device security
- Data security techniques
- Virtualization technology security
- Cloud and wireless security
- Risk assessment tools
- Basics of first response and forensics
- Indicators of Compromise, Attack, and Exposures (IoC, IoA, IoE)
- Threat intelligence capabilities

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- Log management
- Endpoint security
- Firewall solutions
- IDS/IPS technologies
- Network Authentication, Authorization, Accounting (AAA)

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**

Intended Audience

CNDv2 is for those who work in the network administration/cybersecurity domain in the capacity of Network Administrator/Engineer, Network Security Administrator/Engineer/Analyst, Cybersecurity Engineer, Security Analyst, Network Defense Technician, Security Operator. CNDv2 is for all cybersecurity operations roles and anyone who looking to want to build their career in cybersecurity.

This course meets DOD Information Assurance Requirements.

Prerequisites

Being well-versed in cyber security fundamentals is recommended. Basic network and host operations knowledge and experience commensurate with one to five years of network, host, or application administration.

Follow-On Courses

- CompTIA Security+
- Cisco CCNA Associate
- ISC2 CISSP
- CompTIA Network+

Ready to enroll? Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.