

COURSE OUTLINE

Certified Ethical Hacker v13

Duration: 5 Days

Course Description:

Certified Ethical Hackers are hired by organization's either on a contract or as full-time employees to improve their security posture. Obtaining a CEH certification is often a baseline requirement for many job roles. Ethical hacking involves the methodical practice of identifying, evaluating, testing, and reporting vulnerabilities within an organization.

Ethical hacking is a broad practice that covers various technologies. By systematically applying CEH methodologies, ethical hackers can evaluate almost any application or infrastructure, identify potential vulnerabilities, and provide remediation recommendations.

With CEH v13, Certified Ethical Hackers also use AI tools and techniques to enhance their ability to identify, exploit, and secure vulnerabilities in systems and networks.

By integrating AI into their skills, they automate threat detection, predict security breaches, and respond swiftly to cyber incidents. Moreover, they also have the knowledge to hack AI systems.

In the case of military organizations, ethical hackers are highly trained in offensive and defensive activities and possess the critical skill sets and tactics to evaluate target systems and defend their organization's assets in real-time.

Prerequisites:

There are no specific prerequisites for the CE program. However, we strongly recommend that candidates possess a minimum of 2 years of experience in IT security before attempting CEH.

CEH training involves testing systems and using them for purposes not originally intended. Candidates should understand.

Course Objectives:

EC-Council's Certified Ethical Hacker (CEH) certification gives you the skills and knowledge needed to drive your career forward in the age of AI. With CEH you'll learn how to think like a hacker and uncover any hidden vulnerabilities before hackers do.

We'll equip you to:

Find and fix weaknesses:

- Discover how hackers exploit systems and learn how to keep your data safe.

Become a security expert:

- Master the top tools and techniques needed to strengthen your organization's security.

Protect your reputation:

- Learn to proactively prevent data breaches and safeguard your customers' trust.

Master ethical hacking with AI:

- Leverage AI-driven techniques to enhance your ethical hacking skills and stay ahead of cyber threats.

Target Audience:

- Mid-Level Information Security Auditor
- Cybersecurity Auditor
- Security Administrator
- IT Security Administrator
- Cyber Defense Analyst
- Vulnerability Assessment Analyst
- Warning Analyst
- Information Security Analyst 1
- Security Analyst L1
- Infosec Security Administrator
- Cybersecurity Analyst Level 1, Level 2, & Level 3
- Network Security Engineer
- SOC Security Analyst
- Security Analyst
- Network Engineer
- Senior Security Consultant
- Information Security Manager
- Senior SOC Analyst
- Solution Architect
- Cybersecurity Consultant

Course Outlines:

- Module 01: Introduction to Ethical Hacking
- Module 02: Foot printing and Reconnaissance
- Module 03: Scanning Networks
- Module 04: Enumeration
- Module 05: Vulnerability Analysis
- Module 06: System Hacking
- Module 07: Malware Threats
- Module 08: Sniffing
- Module 09: Social Engineering
- Module 10: Denial-of-Service
- Module 11: Session Hijacking
- Module 12: Evading IDS, Firewalls, and Honeypots
- Module 13: Hacking Web Servers
- Module 14: Hacking Web Applications
- Module 15: SQL Injection
- Module 16: Hacking Wireless Networks
- Module 17: Hacking Mobile Platforms
- Module 18: IoT and OT Hacking
- Module 19: Cloud Computing
- Module 20: Cryptography

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