Document Generated: 01/05/2025

Learning Style: On Demand

Provider: EC-Council

Difficulty: Beginner

Course Duration: 29 Hours

Certified Ethical Hacking (CEHv11)

About this course:

Hackers are professionals at attacking systems and programs with weak security. In order to protect your systems from hackers, it is important that you learn the trick of the trade. The Certified Ethical Hacker program offered by us is a one-of-a-kind digital course, allowing professionals in the field to utilize their skills and knowledge in an efficient manner.

This hacking is ethical because you hack your own systems to find out about weakened security points in the system so you can fix it. From problem detecting to working on security loopholes, this training program gives you in-depth knowledge shared by certified professionals. This extensive security course is designed to secure systems from hackers who are often responsible for inconsolable loss for the organization.

Instead of leaving your system and network open to such malicious threats, it is best to learn technical information through this course. Moreover, IT professionals must enroll in this course to gain access to the CHFI certification program which is based on different hacking strategies, investigative work, and much more. Some of the important areas covered in this course include virus creation and buffer overflows, DDOS Attacks, Social Engineering, and more. In short, this cyber security training program is ideal for those wanting to pass the Certified Ethical Hacking exam. Each component of the course is laid out in a manner that students can easily understand and practice the information provided. The course teaches individuals to adopt a defensive approach towards each attack or security breach.

This course revolves around thoroughly teaching the five phases of ethical hacking including gaining access, maintaining access, reconnaissance, track covering, and enumeration. Learning how to improve security of your systems by hacking into them each time is what we teach extensively in this course. After completion of this digitally advanced course, you will be able to enter the industry as an Information Security Engineer, Security Analyst, Security Consultant, Network Engineer, Penetration Tester, and many more.

If you are even slightly confused about taking this course, know that an Ethical Hacker earns an average of **$100,000** annually.

Course Objective:

This course will teach you the following:

- Top Information Security Attack Vectors
- Information Security Threat Categories
- Types of Attacks on a System
- Hacking Concepts, Types, and Phases
- Ethical Hacking Concepts and Scope
- Enumeration Concepts
- Enumeration Pen Testing
- CEH System Hacking Steps
- Spyware

- How to Defend Against Keyloggers
- Penetration Testing

Audience:

This course is intended for:

- This course is intended for: security officers, auditors, security professionals, site administrators and anyone concerned about the integrity of their network infrastructure.

Prerequisites:

- You must have at least two years of experience in the field of information security to be able to take the CEH certification exam. The candidate must also have experience in IT in order to work professionally. For the most current requirements please check the eligibility requirements on the EC-Council website.

Course Outline:

This Course Includes:

- Course Introduction
- Module 01: Introduction to Ethical Hacking
- Module 02: Footprinting 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
- Course Summary

Credly Badge:

Display your Completion Badge And Get The Recognition You Deserve.

Add a completion and readiness badge to your Linkedin profile, Facebook page, or Twitter account to validate your professional and technical expertise. With badges issued and validated by Credly, you can:

- Let anyone verify your completion and achievement by clicking on the badge
- Display your hard work and validate your expertise
- Display each badge's details about specific skills you developed.

Badges are issued by QuickStart and verified through Credly.

Find Out More or See List Of Badges