Wissenhive

Certified Ethical Hacker Version 11

Table of Contents

About the Program

The Certified Ethical Hacker (CEH) credential is the most trusted ethical hacking certification and accomplishment recommended by employers globally. It is the most desired information security certification and represents one of the fastest-growing cyber credentials required by critical infrastructure and essential service providers. Since the introduction of CEH in 2003, it is recognized as a standard within the information security community. CEH v11 continues to introduce the latest hacking techniques and the most advanced hacking tools and exploits used by hackers and information security professionals today. The Five Phases of Ethical Hacking and the original core mission of CEH remain valid and relevant today: “To beat a hacker, you need to think like a hacker.”

Key Training Features

- Accredited Training Partner
- Exam Voucher Included
- Access to I labs
- Study Guides
- Lifetime Training Access
- 24/7 support
- Flexible Scheduling

Why CEH-v11

CEH provides an in-depth understanding of ethical hacking phases, various attack vectors, and preventative countermeasures. It will teach you how hackers think and act maliciously so that you will be better positioned to set up your security infrastructure and defend future attacks. Understanding system weaknesses and vulnerabilities help organizations strengthen their system security controls to minimize the risk of an incident.
CEH was built to incorporate a hands-on environment and systematic process across every ethical hacking domain and methodology, giving you the opportunity to work towards proving the required knowledge and skills needed to perform the job of an ethical hacker. You will be exposed to an entirely different posture towards the responsibilities and measures required to be secure.

Target Audience

- Information Security Analyst / Administrator
- Information Assurance (IA) Security Officer
- Information Security Manager / Specialist
- Information Systems Security Engineer / Manager
- Information Security Professionals / Officers
- Information Security / IT Auditors
- Risk / Threat/Vulnerability Analyst
- System Administrators
- Network Administrators and Engineers

Career Benefits

According to 2021 statistics in the United States, a professional Ethical Hacker's average salary is around $100,200, and the monthly salary is about $8350, but typically salary range falls between $89,400 and $114,000 yearly. Salary range depends on various important factors that include the certified ethical hacking training course, education qualification, years of experience, additional skills, industry, etc.

Here are some other ethical hacking professions with yearly and monthly salary:

1. **Information Security Manager** with an annual average salary of $133,499 and a monthly salary of $11124
2. **Ethical Hacker** with an annual average salary of $100,293 and a monthly salary of $8357
3. **Security Analyst** with an annual average salary of $69,300 and a monthly salary of $5775
4. **Information Security Analyst** with an annual average salary of $80,236 and a monthly salary of $6686
5. **System Administrators** with an annual average salary of $66,167 and a monthly salary of $5513

Other in demand professions are:

I. Information Security Manager
II. Auditors & Security Professionals
III. Network Security Professionals
IV. Penetration Tester
V. Security Consultant
VI. Site Administrators
VII. Information Technology Security Consultant

Course Curriculum

1. Introduction to Ethical Hacking

- Information Security Overview
- Cyber Kill Chain Concepts
- Hacking Concepts
- Ethical Hacking Concepts
- Information Security Controls
- Information Security Laws and Standards

2. Foot printing and Reconnaissance

- Foot printing Concepts
- Foot printing through Search Engines
- Foot printing through Web Services
- Foot printing through Social Networking Sites
- Website Foot printing
- Email Foot printing
- Who is Foot printing?
- DNS foot printing
- Network foot printing
- foot printing through Social Engineering
- foot printing Tools
- foot printing Countermeasures

Course Curriculum

3. Scanning Networks

- Network Scanning Concepts
- Scanning Tools
- Host Discovery
- Port and Service Discovery
- OS Discovery (Banner Grabbing/OS Fingerprinting)
- Scanning Beyond IDS and Firewall
- Draw Network Diagrams

4. Enumeration

- Enumeration Concepts
- NetBIOS Enumeration
- SNMP Enumeration
- LDAP Enumeration
- NTP and NFS Enumeration
- SMTP and DNS Enumeration
- Other Enumeration Techniques
- Enumeration Countermeasures

5. Vulnerability Analysis

- Vulnerability Assessment Concepts
- Vulnerability Classification and Assessment Types
- Vulnerability Assessment Solutions and Tools
- Vulnerability Assessment Reports

Course Curriculum

6. System Hacking

- System Hacking Concepts
- Gaining Access
- Escalating Privileges
- Maintaining Access
- Clearing Logs

7. Malware Threats

- Malware Concepts
- APT Concepts
- Trojan Concepts
- Virus and Worm Concepts
- Fileless Malware Concepts
- Fileless Malware Concepts
- Countermeasures
- Anti-Malware Software

8. Sniffing

- Sniffing Concepts
- Sniffing Technique: MAC Attacks
- Sniffing Technique: DHCP Attacks
- Sniffing Technique: ARP Poisoning
- Sniffing Technique: Spoofing Attacks
- Sniffing Technique: DNS Poisoning

Course Curriculum

- Sniffing Tools
- Countermeasures
- Sniffing Detection Techniques

9. Social Engineering

- Social Engineering Concepts
- Social Engineering Techniques
- Insider Threats
- Impersonation on Social Networking Sites
- Identity Theft
- Countermeasures

10. Denial-of-Service

- DoS/DDoS Concepts
- DoS/DDoS Attack Techniques
- Botnets
- DDoS Case Study
- DoS/DDoS Attack Tools
- Countermeasures
- DoS/DDoS Protection Tools

Course Curriculum

11. Session Hijacking

- Session Hijacking Concepts
- Application-Level Session Hijacking
- Network Level Session Hijacking
- Session Hijacking Tools
- Countermeasures

12. Evading IDS, Firewalls, and Honeypots

- IDS, IPS, Firewall, and Honeypot Concepts
- IDS, IPS, Firewall, and Honeypot Solutions
- Evading IDS
- Evading Firewalls
- IDS/Firewall Evading Tools
- Detecting Honeypots
- IDS/Firewall Evasion Countermeasures

13. Hacking Web Servers

- Web Server Concepts
- Web Server Attacks
- Web Server Attack Methodology
- Web Server Attack Tools
- Countermeasures
- Patch Management
- Web Server Security Tools

Course Curriculum

14. Hacking Web Applications

- Web Application Concepts
- Web Server Attacks
- Web Application Hacking Methodology
- Web API, Webhooks, and Web Shell
- Web Application Security

15. SQL Injection

- SQL Injection Concepts
- Types of SQL Injection
- SQL Injection Methodology
- SQL Injection Tools
- Evasion Techniques
- Countermeasures

16. Hacking Wireless Networks

- Wireless Concepts
- Wireless Encryption
- Wireless Threats
- Wireless Hacking Methodology
- Wireless Hacking Tools
- Bluetooth Hacking
- Countermeasures
- Wireless Security Tools

Course Curriculum

17. Hacking Mobile Platforms

- Mobile Platform Attack Vectors
- Hacking Android OS
- Hacking iOS
- Mobile Device Management
- Mobile Security Guidelines and Tools

18. IoT and OT Hacking

- IoT Hacking & IoT Concepts
- IoT Attacks
- IoT Hacking Methodology
- IoT Hacking Tools
- Countermeasures
- OT Hacking OT & Concepts
- OT Attacks
- OT Hacking Methodology
- OT Hacking Tools
- Countermeasures

19. Cloud Computing

- Cloud Computing Concepts
- Container Technology
- Serverless Computing
- Cloud Computing Threats
- Cloud Hacking
- Cloud Security

Course Curriculum

20. Cryptography

- Cryptography Concepts
- Encryption Algorithms
- Cryptography Tools
- Public Key Infrastructure (PKI)
- Email Encryption
- Disk Encryption
- Cryptanalysis
- Countermeasures

Contact us

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If you have any further questions or would like to chat with us, give us a call

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