



## Ethical Hacking and Countermeasures

**Duration: 5 Days**    **Course Code: CEH**

### Overview:

This class will immerse the students into an interactive environment where they will be shown how to scan, test, hack and secure their own systems. The lab intensive environment gives each student in-depth knowledge and practical experience with the current essential security systems. Students will begin by understanding how perimeter defenses work and then be lead into scanning and attacking their own networks, no real network is harmed. Students then learn how intruders escalate privileges and what steps can be taken to secure a system. Students will also learn about Intrusion Detection, Policy Creation, Social Engineering, DDoS Attacks, Buffer Overflows and Virus Creation. When a student leaves this intensive 5 day class they will have hands on understanding and experience in Ethical Hacking. This course prepares you for EC-Council Certified Ethical Hacker exam 312-50

### Target Audience:

This course will significantly benefit security officers, auditors, security professionals, site administrators, and anyone who is concerned about the integrity of the network infrastructure.

### Prerequisites:

- At least two years experience in Security field
- Having good knowledge in Operating Systems and Networking.

### Testing and Certification

- The Certified Ethical Hacker exam 312-50 may be taken on the last day of the training (optional). Students need to pass the online Prometric exam to receive CEH certification.

### Content:

CEHv7 Curriculum consists of instructor-led training and self-study. The Instructor will provide the details of self-study modules to the students beginning of the class.

- 1. Introduction to Ethical Hacking
- 2. Footprinting and Reconnaissance
- 3. Scanning Networks
- 4. Enumeration
- 5. System Hacking\
- 6. Trojans and Backdoors
- 7. Viruses and Worms
- 8. Sniffers
- 9. Social Engineering
- 10. Denial of Service
- 11. Session Hijacking
- 12. Hacking Webservers
- 13. Hacking Web Applications
- 14. SQL Injection
- 15. Hacking Wireless Networks
- 16. Evading IDS, Firewalls and Honeypots
- 17. Buffer Overflows
- 18. Cryptography
- 19. Penetration Testing

#### Legal Agreement

- Ethical Hacking and Countermeasures course mission is to educate, introduce and demonstrate hacking tools for penetration testing purposes only. Prior to attending this course, you will be asked to sign an agreement stating tha

## Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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