

Course Outline

Certified Ethical Hacker (CEH) v9 - 5 days

BENEFIT:

This fully accredited, practitioner-led course equips you to plan and perform ethical hacking (penetration testing). Achieve an industry-recognised qualification in just one week.

FORMAT:

Classroom sessions from 09:00 to 17:00.

QUALIFICATION:

Pass the Certified Ethical Hacker v9 exam first time. Exam or exam voucher included in the course.

The most comprehensive ethical hacking course in the world

Ethical hacking or penetration testing refers to the exploitation of an IT system with the permission of its owner in order to determine its vulnerabilities. It results in recommendations for preventive and corrective countermeasures to mitigate the risk of cyber attacks.

A certified ethical hacker is a skilled professional who understands and knows how to look for weaknesses and vulnerabilities in target systems, and uses the same knowledge and tools as those used by malicious hackers. Launched in 2003 by the EC-Council, the Certified Ethical Hacker (CEH) certification is globally recognised as the vendor-neutral qualification of choice for developing a senior career in penetration testing and digital forensics.

Delivered by an approved EC-Council trainer, this five-day classroom training session introduces the five testing phases: reconnaissance, gaining access, enumeration, maintaining access and avoiding detection. In 18 comprehensive modules, the course covers over 270 commonly used attack technologies and software tools, and demonstrates how they can be used in real-life scenarios.

WHAT WILL YOU LEARN?

- Types of penetration testing, security audit, vulnerability assessment and testing roadmap.
- Footprinting, footprinting tools and countermeasures.
- Network scanning techniques and countermeasures.
- Enumeration techniques and countermeasures.
- System hacking methodology, steganography, steganalysis attacks and covering tracks.
- Trojans, Trojan analysis and Trojan countermeasures.
- Viruses, virus analysis, computer worms, malware analysis procedure and countermeasures.
- Packet-sniffing techniques and how to defend against sniffing.
- Social engineering techniques, identify theft and countermeasures.
- DoS/DDoS attack techniques, botnets and attack tools.
- Session hijacking techniques and countermeasures.
- Types of web server and web application attacks, attack methodology and countermeasures.
- SQL injection attacks and injection detection tools.
- Wireless encryption, wireless hacking methodology and wireless hacking tools.
- Mobile platform attack vectors, Android vulnerabilities, jailbreaking iOS, Windows 8 mobile vulnerabilities, mobile security guidelines, and tools.

- Firewall, IDS and honeypot evasion techniques, evasion tools and countermeasures.
- Cloud computing concepts, threats, attacks, security techniques and tools.
- Cryptography ciphers, public key infrastructure (PKI), cryptography attacks and cryptanalysis tools.

CERTIFIED ETHICAL HACKER V9 (ANSI) EXAMINATION

Delegates sit the Certified Ethical Hacker v9 (312-50 VUE) examination at the end of the course – a four-hour, multiple-choice paper administered online by Pearson VUE. Please note that the cost of this exam is included the purchase price of the course.

If you wish to take the exam at a later date, you will be issued with a CEH exam voucher, which can be redeemed at any Pearson VUE testing centre in the UK.

WHO SHOULD ATTEND THIS COURSE?

The Certified Ethical Hacker training course will significantly benefit security officers, auditors, security professionals, site administrators and anyone who is concerned about the integrity of network infrastructure. It is an ideal first qualification for building a career as a penetration testing or digital forensics professional.

ENTRY REQUIREMENTS

Delegates are expected to have a minimum of two years' working experience of IT networks and systems. While there are no prerequisite qualifications, Microsoft MCSE or CCNA equivalent knowledge is highly recommended.

ADDITIONAL INFORMATION

Owing to the intensive nature of this course, delegates may need to attend the class up to 18.30 each day. Delegates will be told the approximate finish time by the instructor. Delegates will also be expected to undertake self-study work in the evenings during the course.

THE COURSE INCLUDES:

- Professional training venue with lunch and refreshments.
- Comprehensive documentation.
- Certified Ethical Hacker v9 (ANSI) examination.
- Certificate of attendance.