

C|EH v13

**BECOME A CERTIFIED
ETHICAL HACKER**

Powered by AI Capabilities

LEARN | CERTIFY | ENGAGE | COMPETE

EC-Council **C|EH**^{v13}

Certified Ethical Hacker

Learn	Course Outline
<p>Module 01 Introduction to Ethical Hacking</p>	<p>Learn the fundamentals and key issues in information security, including the basics of ethical hacking, information security controls, relevant laws, and standard procedures.</p>
<p>Module 02 Footprinting and Reconnaissance</p>	<p>Learn how to use the latest techniques and tools for footprinting and reconnaissance, a critical pre-attack phase of ethical hacking</p>
<p>Module 03 Scanning Networks</p>	<p>Learn different network scanning techniques and countermeasures.</p>
<p>Module 04 Enumeration</p>	<p>Learn various enumeration techniques, including Border Gateway Protocol (BGP) and Network File Sharing (NFS) exploits and associated countermeasures.</p>
<p>Module 05 Vulnerability Analysis</p>	<p>Learn how to identify security loopholes in a target organization's network, communication infrastructure, and end systems. Different types of vulnerability assessment and vulnerability assessment tools are also included.</p>
<p>Module 06 System Hacking</p>	<p>Learn about the various system hacking methodologies used to discover system and network vulnerabilities, including steganography, steganalysis attacks, and how to cover tracks.</p>
<p>Module 07 Malware Threats</p>	<p>Learn about different types of malware (Trojan, viruses, worms, etc.), APT and fileless malware, malware analysis procedures, and malware countermeasures.</p>
<p>Module 08 Sniffing</p>	<p>Learn about packet sniffing techniques and their uses for discovering network vulnerabilities, plus countermeasures to defend against sniffing attacks.</p>
<p>Module 09 Social Engineering</p>	<p>Learn social engineering concepts and techniques, including how to identify theft attempts, audit human-level vulnerabilities, and suggest social engineering countermeasures.</p>
<p>Module 10 Denial-of-Service</p>	<p>Learn about different Denial of Service (DoS) and Distributed DoS (DDoS) attack techniques, plus the tools used to audit a target and devise DoS and DDoS countermeasures and protections.</p>



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<p>Module 11 Session Hijacking</p>	<p>Learn the various session-hijacking techniques used to discover network-level session management, authentication, authorization, and cryptographic weaknesses and associated countermeasures.</p>
<p>Module 12 Evading IDS, Firewalls, and Honeypots</p>	<p>Learn about firewalls, intrusion detection systems (IDS), and honeypot evasion techniques; the tools used to audit a network perimeter for weaknesses; and countermeasures.</p>
<p>Module 13 Hacking Web Servers</p>	<p>Learn about web server attacks, including a comprehensive attack methodology used to audit vulnerabilities in web server infrastructures and countermeasures.</p>
<p>Module 14 Hacking Web Applications</p>	<p>Learn about web application attacks, including a comprehensive hacking methodology for auditing vulnerabilities in web applications and countermeasures.</p>
<p>Module 15 SQL Injection</p>	<p>Learn about SQL injection attack techniques, evasion techniques, and SQL injection countermeasures.</p>
<p>Module 16 Hacking Wireless Networks</p>	<p>Learn about different types of encryption, threats, hacking methodologies, hacking tools, security tools, and countermeasures for wireless networks.</p>
<p>Module 17 Hacking Mobile Platforms</p>	<p>Learn mobile platform attack vectors, Android and iOS hacking, mobile device management, mobile security guidelines, and security tools.</p>
<p>Module 18 IoT Hacking</p>	<p>Learn different types of Internet of Things (IoT) and operational technology (OT) attacks, hacking methodologies, hacking tools, and countermeasures.</p>
<p>Module 19 Cloud Computing</p>	<p>Learn different cloud computing concepts, such as container technologies and serverless computing, various cloud computing threats, attacks, hacking methodologies, and cloud security techniques and tools.</p>
<p>Module 20 Cryptography</p>	<p>Learn about encryption algorithms, cryptography tools, Public Key Infrastructure (PKI), email encryption, disk encryption, cryptography attacks, and cryptanalysis tools.</p>