

CERTIFIED ETHICAL HACKING FOUNDATION

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GSDC's Certified Ethical Hacker (CEH) Foundation certification is aimed towards demonstrating knowledge of assessing the security of computer systems by looking for weaknesses and vulnerabilities in target systems



ABOUT CERTIFICATION

GSDC's Certified Ethical Hacker (CEH) Foundation certification is aimed towards demonstrating knowledge of assessing the security of computer systems by looking for weaknesses and vulnerabilities in target systems while using the same knowledge and tools as a malicious hacker yet in a lawful and legitimate manner to assess the security posture of a target system.

Organizations employ ethical hackers to invade networks and computer systems with the help of their coding skills to find and fix security vulnerabilities. Certified Ethical Hacking Foundation certification clears your fundamentals of ethical hacking so that you can arrange frameworks with the assent of its creator to discover security vulnerabilities. As a Certified Ethical Hacking Foundation certification holder, you will be able to evaluate the security instances of an association by recognizing vulnerabilities in the system and its framework to make valuable decisions.

OBJECTIVES

Certified Ethical Hacking Foundation's objective is to shape your knowledge about:

- Advanced step-by-step methodologies used by hackers
- Writing virus codes
- Reverse engineering, so you can better protect corporate infrastructure from data breaches
- Advanced network packet analysis
- Securing web servers
- Malware threats
- Advanced system penetration testing techniques to build your network security skillset and beat hackers at their own game.

Our Accreditation:



The Global Skill Development Council (GSDC) is the leading third-party, Vendor-neutral, international credentialing and certification organization. The Global Skill Development Council (GSDC) is proud to be ANSI Accredited Member. The American National Standards Institute (ANSI) is a private, non-profit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system.

COURSE SYLLABUS

1. Introduction to Ethical Hacking

- Hacking Ethics
- Legal implications of hacking.
- Types of hackers
- Basic Principles
- White and black box test
- Phases in the hacking process

2. Network Sniffing

- Tools for Network Sniffing
- Tools for Network Sniffing
- Extracting Information
- Function of HTTP headers
- Extract information from HTTP headers

3. Hacking Wireless Networks

- Aircrack-NG
- Airodump-NG
- Functions of tools within Aircrack.
- ESSID&BSSID means

4. System Penetration

- Intel Gathering
- Information on a target online
- Information on a target within a network
- Software Tools (Nmap, Metasploit)

Can scan a target

How to combine tools

Fingerprinting and Vulnerabilities

How to find vulnerabilities based on scanning results

How to combine tools

Fingerprinting and Vulnerabilities

How to find vulnerabilities based on scanning results

Banual fingerprinting

Exploitation and Post Exploitation

Vulnerability with Metasploit

System information after exploitation

5. Dimensionality Reduction

- Database Attacks
- Test for SQLi vulnerabilities
- Extracting data with SQLi
- CONCAT, LOAD_FILE, UNION, SELECT,
- @version, ORDER BY, LIMIT
- Client Side Attacks
- Create an XSS PoC (Proof of Concept)
- Basics of session hijacking i/c/w XSS
- Basic XSS filters
- Server Side Attacks
- RFI
- PHP shells such as r57 and c99
- Bind & Back connect shells

BENEFITS

- Enhanced correspondence using regular wording crosswise over Ethical Hacking
- More return on investment
- Cyber Security strategies enable associations to understand the advantages of items and possibly a prior rate of return while items are being produced and moved forward
- Build up a reasonable meaning of how an ethical hacking approach saves your organization from attacks.
- Greater Employability



GSDC Technical Advisory Board :

The GSDC is the leading certification association which brings together innovative organizations and founding thought-leaders as Technical Advisors from over 40 countries to design curriculum on Blockchain, Devops, Six Sigma & Agile Certifications.

Further Information:

Target Audience

- Security officers
- Auditors
- Security professionals
- Site administrators
- Anyone who is concerned about the integrity of the network infrastructure.

Certification Available:

- Ethereum developer
- Blockchain Architect
- Hyperledger Developer

You may also be interested in:

- Lean Six Sigma
- DevOps Practitioner

Find out more online at www.gsdccouncil.org