LASSONDE PD
PROFESSIONAL DEVELOPMENT

Ethical Hacking and Counter Measures (Certified Ethical Hacker)

LASSONDE | YORK U
SCHOOL OF ENGINEERING

Overview

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 V.11 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."

Who is a Certified Ethical Hacker?

A Certified Ethical Hacker is a specialist typically working in a red team environment, focused on attacking computer systems and gaining access to networks, applications, databases, and other critical data on secured systems. A CEH understands attack strategies, the use of creative attack vectors, and mimics the skills and creativity of malicious hackers. Unlike malicious hackers and actors, Certified Ethical Hackers operate with permission from the system owners and take all precautions to ensure the outcomes remain confidential.

Target Audience

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

Program Highlights

Program Duration
12 Weeks

Tuition Fee
TBD

Program Format
Self-paced, weekly coaching sessions

Why Us?

- Gain in-depth understanding of ethical hacking phases

- Be better positioned to set up your security infrastructure and defend future attacks

- Learn from top experts with CEH certification

- The CEH certification is recognized by top security organizations in the U.S including **Committee on National Security Systems**

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Course Outline

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Module 1- Introduction to Ethical Hacking	**Module 11- Session Hijacking**
Module 2- Footprinting and Reconnaissance	**Module 12- Evading ISD, Firewalls, and Honeypots**
Module 3- Scanning Networks	**Module 13- Hacking Web Services**
Module 4- Enumeration	**Module 14- Hacking Web applications**
Module 5- Vulnerability Analysis	**Module 15- SQL injection**
Module 6- System Hacking	**Module 16- Hacking Wireless Networks**
Module 7- Malware Threats	**Module 17- Hacking Mobile Platforms**
Module 8- Sniffing	**Module 18- IoT and OT Hacking**
Module 9- Social Engineering	**Module 19- Cloud Computing**
Module 10- Denial-of-Service	**Module 20- Cryptography**

Examination

CEH-ANSI	CEH Practical
Exam Title: Certified Ethical Hacker (ANSI)	Exam Title: Certified Ethical Hacker (Practical)
Exam Code: 312-50 (ECC EXAM), 312-50 (VUE)	Number of practical challenges: 20
Duration: 4 hours	Duration: 6 hours
Availability: ECCEXAM/VUE	Availability: Aspen-iLabs
Test Format: Multiple Choice	Test Formula: iLabs cyber range
Passing Score: Please refer to	Passing Score: 70%

Certificate of Completion

Participants must attend all program modules and successfully complete the final assignment/exam to receive a certificate.
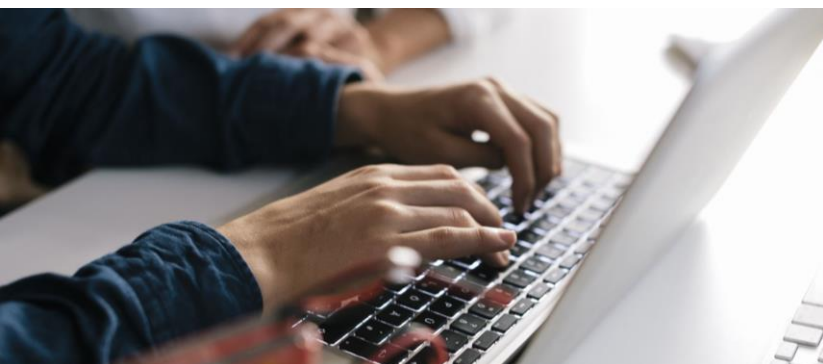
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