PROGRAM OVERVIEW

Purdue’s Certified Ethical Hacker (CEH) course is a comprehensive online bootcamp that teaches information security professionals how to find vulnerabilities in information systems and prepares those professionals for the Certified Ethical Hacker certification exam.

The course leverages Purdue’s highly ranked cybersecurity programs and faculty with its online course design expertise to bring students a tailored online experience. Those who complete the course receive a voucher, good for up to one year, with which to take the CEH certification exam from the International Council of Electronic Commerce Consultants (EC-Council), which is the international professional organization that oversees the Certified Ethical Hacker program.

HOW IT WORKS

- **Course Length:** 5-Day Bootcamp
- **Schedule:** M-F 8:00 a.m. - 5:00 p.m. (EST)
- **Format:** 100% online, instructor-led live sessions

WHAT’S INCLUDED

- Live instructor-led training
- Daily module exercises
- Access to a lab platform that allows hands-on practice
- Access to the electronic textbook
- An exam voucher for up to one year

WHO NEEDS THIS COURSE

- Network analysts
- Security analysts
- Software engineers
- Website administrators
- Security auditors
- Security consultants
- Security officers

WHY A CEH CREDENTIAL?

- U.S. Bureau of Labor Statistics projects job growth of 32 percent for security analysts through 2028
- Allows security professionals to demonstrate mastery of the constellation of skills needed to detect and respond to threats
- Helps security professionals stay up to date with advances in cybersecurity generally and penetration testing specifically
- Meets Department of Defense Directive 8140 certification standards, which is required for certain job classifications
DAY 1:
- Introduction to Ethical Hacking
- Footprinting and Reconnaissance
- Scanning Networks
- Enumeration
- Vulnerability Analysis

DAY 2:
- System Hacking
- Malware Threats
- Sniffing

DAY 3:
- Social Engineering
- Denial-of-Service
- Session Hijacking
- Evading IDS, Firewalls, and Honeypots
- Hacking Web Servers

DAY 4:
- Hacking Web Applications
- SQL Injection
- Hacking Wireless Networks

DAY 5:
- Hacking Mobile Platforms
- IoT and OT Hacking
- Cloud Computing
- Cryptography

JOB OUTLOOK
3.5M
CYBER JOBS OPEN IN THE U.S. IN 2021
ACCORDING TO CYBERCRIME MAGAZINE
PAY SCALE
SALARY AVERAGE
$85,000
PAYSCALE.COM

JOB TITLES
NETWORK ADMINISTRATOR/MANAGER
SECURITY INVESTIGATOR
PENETRATION TESTER
WEB SECURITY ADMINISTRATOR/MANAGER
DATA SECURITY ANALYST/SPECIALIST
COMPUTER/DIGITAL FORENSICS INVESTIGATOR
IT SECURITY ADMINISTRATOR/CONSULTANT
NETWORK DEFENSE TECHNICIANS

TOP EMPLOYERS
BOOZ, ALLEN, AND HAMILTON
S. ARMY
S. AIR FORCE
GENERAL DYNAMICS INFO TECH, INC.

centr@purdue.edu