CERTIFIED ETHICAL HACKER (CEH) CERTIFICATION

WHO ISSUES THE CERTIFICATION?

EC-Council (International Council of E-Commerce Consultants).

WHAT IS THE PURPOSE OF THE CERTIFICATION?

This vendor-neutral certification establishes minimum standards for credentialing professional information security specialists in ethical hacking. An ethical hacker identifies weaknesses and vulnerabilities from an offensive perspective and in a lawful manner.

WHAT IS THE CAREER LEVEL OF THE CERTIFICATION AND WHO IS IT GEARED TO?

The CEH is mid-level and is geared to information security professionals looking to expand their knowledge.

WHAT ARE THE EDUCATION AND/OR EXPERIENCE PREREQUISITES FOR THE CERTIFICATION?

There are two pathways to become eligible to sit for the CEH exam. The first pathway requires the individual to complete an education or training program with EC-Council directly, or with an EC-Council partner using official content authored and developed by EC-Council. The second pathway allows individuals to sit for the exam without an EC-Council education or training program, but the candidate must formally apply for exam eligibility, including paying a $100 application fee, submitting a formal exam eligibility application with proof of at least two years of work experience in the information security field, and providing three references.

WHAT IS THE COST AND STRUCTURE OF THE CERTIFICATION'S EXAM(S)?

The CEH has a knowledge-based exam that consists of 125 multiple-choice questions, which must be completed within four hours. The exam, which is now at version 4.0, covers the following domains: information security and ethical hacking overview; reconnaissance techniques; system hacking phases and attack techniques; network and perimeter hacking; web application hacking; wireless network hacking; mobile platform, internet of things (IoT), and operational technology (OT) hacking; cloud computing; and cryptography.

Individuals who have taken an authorized education or training program receive the exam voucher as low as $300 when testing onsite, while those interested in remote proctoring will receive the exam voucher at $400. Individuals who apply for exam eligibility, not having taken an authorized CEH education or training course, are offered the exam voucher at $1,050 (which includes the exam eligibility application fee).

WHAT IS THE GEOGRAPHIC SCOPE OF THE CERTIFICATION?

International.

IS THE CERTIFICATION ACCREDITED?

Yes, EC-Council meets the ANSI National Accreditation Board (ANAB) accreditation program requirements and those set forth in ISO/IEC 17024:2012 *Conformity assessment — General requirements for bodies operating certification of persons* for the CEH program.

HOW LONG IS THE CERTIFICATION VALID?

The CEH is valid for three years.

IS THERE A PROCESS FOR RENEWING THE CERTIFICATION, OR RECERTIFICATION?

To renew the CEH certification, an individual must earn 120 continuing education credits within a period of three years, with a minimum of 30 continuing education credits earned per year, and pay an $80 annual member fee.

CAN THE CERTIFICATION BE REVOKED?

Yes, the certification can be revoked for a violation of EC-Council's code of ethics as well as failing to meet the certification maintenance (recertification) requirements.

IS THE CERTIFICATION LINKED TO LICENSURE?

No.

HOW DOES THE CERTIFICATION RELATE TO OTHER EC-COUNCIL CERTIFICATIONS OR THOSE OF OTHER CERTIFICATION BODIES?

A candidate can receive a CEH Master designation by earning both the CEH certification and the CEH Practical credential. In addition, EC-Council identified several career and credential pathways that include the CEH, including forensics, vulnerability assessment and penetration testing, and incident handling and response.

WHAT ARE SOME ORGANIZATIONS OR INDUSTRIES THAT RECOGNIZE OR USE THE CERTIFICATION?

AT&T, Cisco, Citibank, eBay, Ford, HP, IBM, Microsoft, Principal, PwC, Verizon, and Xerox.

ARE THERE ANY COMPANIES, CORPORATIONS, OR OTHER ORGANIZATIONS THAT HAVE PUBLICLY DECLARED THEY PREFER OR REQUIRE THE CERTIFICATION?

According to a job search on Indeed for information technology positions, companies such as Accenture, Aegon, Ernst & Young, General Dynamics Information Technology, SAIC, and The Estée Lauder Companies prefer or offer bonus points for candidates who have earned the CEH. In addition, the CEH fulfills the DoD Directive 8570/8140 for such cybersecurity service professional roles as analyst, infrastructure support, incident responder, and auditor, as well as meets the requirements of the respective CNSS 4011-4016 Federal Security Certification Training Standards of the National Security Agency. The American Council on Education also provides college credit recommendations for prior learning to those who have earned the CEH.

WHAT OCCUPATIONS USE THE CERTIFICATION?

Computer forensic analyst, computer network defense, cyber defense analyst, information assurance security officer, information security analyst/administrator, information systems security engineer/manager, information security auditor, information security manager/specialist, risk/threat/vulnerability analyst, systems administrator, network administrator and engineer, and more.

DOES EC-COUNCIL OFFER TRAINING MATERIALS TO HELP INDIVIDUALS PREPARE FOR THE CERTIFICATION EXAM?

EC-Council offers a variety of training and exam preparation materials that range from instructor-led training and textbooks to streaming videos, and supplemental instructor resources. Ancillary resources such as a subscription-based learning platform, a cyber range and penetration testing platform, and multiple hacking challenges are also included.