# Certifications List

## EC-Council Certifications

<https://www.eccouncil.org/programs/>

* \*Certified Ethical Hacker (CEH)
* \*EC-Council Certified Security Analyst (ECSA)
* Certified Cloud Security Engineer (CCSE)
* Certified Network Defender (CND)
* Certified Threat Intelligence Analyst (CTIA)
* Certified Penetration Testing Professional (CPENT)
* Advanced Penetration Testing (APT)
* Licensed Penetration Tester (LPT)
* Certified Incident Handler (ECIH)
* Computer Hacking Forensic Investigator (CHFI)
* Certified Chief Information Security Officer (CCISO)
* Certified Network Defence Architect (CNDA)
* Certified Blockchain Professional (CBP)
* EC-Council Certified Encryption Specialist (ECES)
* Advanced Network Defence (CAST 614)

## CompTIA Certifications

<https://www.comptia.org/certifications>

* \*Network+
* \*Security+
* \*PenTest+
* \*Cybersecurity Analyst (CySA+)
* \*Advanced Security Practitioner (CASP+)
* IT Fundamentals (ITF+)
* A+
* Cloud+
* Linux+
* Server+
* Data+
* Project+
* Certified Technical Trainer (CTT+)
* Cloud Essentials+

## Global Information Assurance Certification (GIAC) Certifications

<https://www.giac.org/certifications/>

There are so many that it’s not worth listing them all

* \*GIAC Security Essentials (GSEC)
* \*GIAC Certified Incident Handler (GCIH)
* \*GIAC Penetration Tester (GPEN)
* GIAC Certified Intrusion Analyst (GCIA)
* GIAC Certified Forensic Analyst (GCFA)

## Offensive Security Certifications

<https://www.offensive-security.com/courses-and-certifications/>

* \*Offensive Security Certified Professional (OSCP)
* Offensive Security Wireless Professional (OSWP)
* Offensive Security Experienced Penetration Tester (OSEP)
* Offensive Security Web Assessor (OSWA)
* Offensive Security Web Expert (OSWE)
* Offensive Security Exploit Developer (OSED)
* Offensive Security macOS Researcher (OSMR)
* Offensive Security Exploitation Expert (OSEE)
* Offensive Security Defence Analyst (OSDA)

## (ISC)2 Certifications

<https://www.isc2.org/Certifications>

* \*Certified Information Systems Security Professional (CISSP)
* \*Security Systems Certified Practitioner (SSCP)
* Certified Cloud Security Professional (CCSP)
* Certified Authorization Professional (CAP)

## ISACA Certifications

<https://www.isaca.org/credentialing>

* \*Certified Information Systems Auditor (CISA)
* \*Certified Information Security Manager (CISM)
* Certified in Risk and Information Systems Control (CRISC)
* Certified in the Governance of Enterprise IT (CGEIT)
* CSX Cybersecurity Practitioner Certification (CSX-P)
* Certified Data Privacy Solutions Engineer (CDPSE)
* Information Technology Certified Associate (ITCA)
* Certified in Emerging Technology (CET)

# Certification Descriptions

## EC-Council Certified Ethical Hacker (CEH)

<https://www.eccouncil.org/programs/certified-ethical-hacker-ceh/>

**Focus:** core cybersecurity knowledge, information gathering, and tools

**Prerequisites:** no specific requirements. Provided alongside prep course

**Fee:** $1,699

**Exam:** 125 multiple choice questions in four hours

## CompTIA Security+

<https://www.comptia.org/certifications/security>

**Focus:** core cybersecurity knowledge

**Prerequisites:** no specific requirements but Network+ recommended

**Fee:** $381

**Exam:** 90 multiple choice and performance-based questions in 90 minutes

## CompTIA PenTest+

<https://www.comptia.org/certifications/pentest>

**Focus:** penetration testing and vulnerability management

**Prerequisites:** no specific requirements but security experience and Security+ recommended. Online training and on-site classes offered

**Fee:** $381

**Exam:** 85 multiple choice and performance-based questions in 165 minutes

## CompTIA CyberSecurity Analyst (CySA+)

<https://www.comptia.org/certifications/cybersecurity-analyst>

**Focus:** monitoring network traffic, application security, IT regulatory compliance

**Prerequisites:** no specific requirements but experience recommended. Online training labs offered

**Fee:** $381

**Exam:** 85 multiple choice and performance-based questions in 165 minutes

## CompTIA Advanced Security Practitioner (CASP+)

<https://www.comptia.org/certifications/comptia-advanced-security-practitioner>

**Focus:** security architecture and engineering

**Prerequisites:** no specific requirements but experience recommended. Online study materials available online and in hard copy

**Fee:** $480

**Exam:** 90 multiple choice and performance-based questions in 165 minutes

## GIAC Security Essentials (GSEC)

<https://www.giac.org/certifications/security-essentials-gsec/>

**Focus:** defence, incident handling, security policies

**Prerequisites:** no specific requirements. Study materials and practice tests included

**Fee:** $2,499

**Exam:** 106-180 multiple choice questions in 4-5 hours

## GIAC Certified Incident Handler (GCIH)

<https://www.giac.org/certifications/certified-incident-handler-gcih/>

**Focus:** incident handling and penetration testing tools/exploits

**Prerequisites:** no specific requirements. Study materials and practice tests included

**Fee:** $2,499

**Exam:** 106 multiple choice questions in four hours

## GIAC Penetration Tester (GPEN)

<https://www.giac.org/certifications/penetration-tester-gpen/>

**Focus:** penetration testing, scanning and exploitation, password and web attacks

**Prerequisites:** no specific requirements. Study materials and practice tests included

**Fee:** $2,499

**Exam:** 82 multiple choice questions in three hours

## Offensive Security Certified Professional (OSCP)

<https://www.offensive-security.com/pwk-oscp/>

**Focus:** penetration testing, scanning and exploitation, password and web attacks

**Prerequisites:** must take PEN-200 course with lab access and materials provided

**Fee:** starting at $1,599 depending on amount of lab access time

**Exam:** 24 hour pentest with report

## Certified Information Systems Security Professional (CISSP)

<https://www.isc2.org/Certifications/CISSP>

**Focus:** risk management, network security, IAM, security operations, software security

**Prerequisites:** at least five years of cumulative paid work experience, university education counting as one year

**Fee:** $749 (must contact for updated pricing)

**Exam:** 100-150 multiple choice and “advanced innovative items” questions in three hours

## ISACA Certified Information Systems Auditor (CISA)

<https://www.isaca.org/credentialing/cisa>

**Focus:** auditing, governance and management, information systems implementation and maintenance, protection of assets

**Prerequisites:** no prerequisites but provided with instructor-led training, downloadable review materials, and practice tests with 12-month ISACA membership subscription

**Exam Fee:** $50 application fee + $575 for members or $760 for non-members

**Membership Fee:** $145 for membership until 2023

**Exam:** 150 multiple choice questions in four hours