Module Title : Certified Cybersecurity Technician | CCT

Duration : 5 days

Overview

EC-Council has developed the Certified Cybersecurity Technician certification:

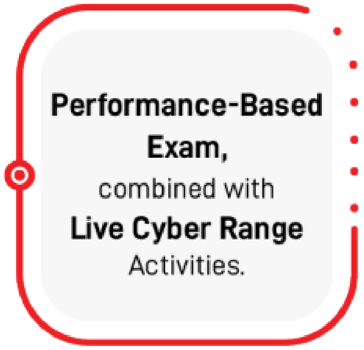
- To validate hands-on technician level IT and cybersecurity skills.
- It’s an entry-level cybersecurity program engineered by the creators of the Certified Ethical Hacker program to address the global demand for cybersecurity technicians.
- To prepare individuals with core security skills to pursue and develop their cybersecurity careers as cybersecurity specialists, consultants, network engineers, or IT administrators

What is Unique About the C|CT Program?

Only Baseline Cybersecurity Program Worldwide, Offering **85 Real-life Practical Hands-on Labs**

An immersive **Practical Certification** Delivered in a Live Cyber Range

50% of Training Time: **Dedicated to Labs**



Performance-Based Exam, combined with **Live Cyber Range** Activities.

Multidisciplinary Learnings **Network Defense, Ethical Hacking, Digital Forensics & Security Operations**

C|CT Key Offerings:

<u>Strong Foundational Coverage</u>

The C|CT certification provides total foundational cybersecurity domain coverage with key concepts in each domain combined with practical hands-on labs and critical thinking challenges producing world-class cyber security technologists.

Live Range Experience

Other popular programs rely on simulation and interactivity as practical-based assessment, the C|CT program is delivered on a live Cyber Range utilizing live targets and real attack systems for a truly immersive, real-life practice and assessment platform.

Capture the Flag

The C|CT certification offers capture the flag (CTF) style critical thinking challenges to accompany each lab exercise putting knowledge into practice and providing a proven record of skill demonstration. Candidates completing the C|CT program will earn the C|CT certification and have a proven track record of performing the tasks required in a live Cyber Range, proving to employers their ability to perform critical job duties.

Multiple Certifications

The course outline of the C|CT program goes above and beyond some of the more common entry-level cybersecurity programs, such as the Security+, in a completely hands-on cyber range environment instead of simulations to ensure cybersecurity skills development. We believe that candidates who successfully attain the C|CT certification will attain other leading cybersecurity certifications, including Security+, without further training

Most Affordable

Despite the unique design of the heavily hands-on course and its uses of real-world cyber range capability, the certification is one of the most affordable in the world!

Target Audience

The C|CT course can be taken by students, IT professionals, IT managers, career changers, and any individual seeking a career in cybersecurity, or aspiring to advance their existing role. This course is ideal for those entering the cybersecurity workforce, providing foundational technician level, hands-on skills to solve the most common security issues organizations face today.

Pre-requisites

There are no specific prerequisites to take the C|CT course and attempt the C|CT certification exam. Although this is an entry-level course, a working knowledge of IT networking and basic cybersecurity concepts will be an advantage to anyone taking this course.

What Will You learn?

1. Key issues plaguing the cybersecurity industry (information security and network security)
2. Information security threats, vulnerabilities, and attacks
3. Different types of malware
4. Network security fundamentals
5. Identification, authentication, and authorization concepts
6. Network security controls
   - Administrative controls (frameworks, laws, acts, governance and compliance program, and security policies)
   - Physical controls (physical security controls, workplace security, and environmental controls)
   - Technical controls (network security protocols, network segmentation, firewall, IDS/IPS, honeypot, proxy server, VPN, UBA, NAC, UTM, SIEM, SOAR, load balancer, and anti-malware tools)
7. Network security assessment techniques and tools (threat hunting, threat intelligence, vulnerability assessment, ethical hacking, penetration testing, and configuration and asset management)
8. Application security design and testing techniques
9. Fundamentals of virtualization, cloud computing, and cloud security
10. Wireless network fundamentals, wireless encryption, and security measures
11. Fundamentals of mobile, IoT, and OT devices and their security measures
12. Cryptography and public key infrastructure concepts
13. Data security controls, data backup and retention methods, and data loss prevention techniques
14. Network troubleshooting, traffic monitoring, log monitoring, and analysis for suspicious traffic
15. Incident handling and response process
16. Computer forensics fundaments, digital evidence, and forensic investigation phases

Course Outline

Module 01: Information Security Threats and Vulnerabilities
Module 02: Information Security Attacks
Module 03: Network Security Fundamentals
Module 04: Identification, Authentication, and Authorization
Module 05: Network Security Controls – Administrative Controls
Module 06: Network Security Controls – Physical Controls

Module 07: Network Security Controls – Technical Controls

Module 08: Network Security Assessment Techniques and Tools

Module 09: Application Security

Module 10: Virtualization and Cloud Computing

Module 11: Wireless Network Security

Module 12: Mobile Device Security

Module 13: IoT and OT Security

Module 14: Cryptography

Module 15: Data Security

Module 16: Network Troubleshooting

Module 17: Network Traffic Monitoring

Module 18: Network Logs Monitoring and Analysis

Module 19: Incident Response

Module 20: Computer Forensics

Module 21: Business Continuity and Disaster Recovery

Module 22: Risk Management

Exam

Exam Title	Certified Cybersecurity Technician
Exam Code	212-82
Number of Questions	60
Duration	3 hours
Exam Availability Locations	ECC Exam Portal
Test Format	Multiple Choice and Real Life hands-on Practical Exam
Passing Score	70%
Exam Mode	Remote Proctoring Services