



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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<b>CODE:</b>	<b>LENGTH:</b>	<b>PRICE:</b>
ECC_CCT	40 Hours (5 days)	€1,995.00

## Description

EC-Council's C|CT certification immerses students in well-constructed knowledge transfer. Training is accompanied by critical thinking challenges and immersive lab experiences that allow candidates to apply their knowledge and move into the skill development phase in the class itself. Upon completing the program, C|CT-certified professionals will have a strong foundation in cybersecurity principles and techniques as well as hands-on exposure to the tasks required in real-world jobs.

## Objectives

### WHAT YOU WILL LEARN IN THIS COURSE

- Key concepts in cybersecurity, including information security and network security
- Information security threats, vulnerabilities, and attacks
- The different types of malware
- Identification, authentication, and authorization
- Network security controls
  - Administrative controls (frameworks, laws, acts, governance and compliance programs, security policies)
  - Physical controls (physical and workplace security policies, environmental controls)
  - Technical controls (network security protocols; network segmentation; firewalls; intrusion detection and prevention systems; honeypots; proxy servers; VPNs; user behavior analytics; network access control; unified threat management; security information and event management; security orchestration, automation, and response; load balancers; anti-malware)
- Network security assessment techniques and tools (threat hunting, threat intelligence, vulnerability assessment, ethical hacking, penetration testing, configuration and asset management)
- Application security design and testing techniques
- Fundamentals of virtualization, cloud computing, and cloud security
- Wireless network fundamentals, wireless encryption, and related security measures
- Fundamentals of mobile, IoT, and OT devices and related security measures
- Cryptography and public-key infrastructure
- Data security controls, data backup and retention methods, and data loss prevention techniques
- Network troubleshooting, traffic and log monitoring, and analysis of suspicious traffic
- The incident handling and response process

- Computer forensics and digital evidence fundamentals, including the phases of a forensic investigation
- Concepts in business continuity and disaster recovery
- Risk management concepts, phases, and frameworks

## Audience

The C|CT is ideal for anyone looking to start their career in cybersecurity or add a strong foundational understanding of the cybersecurity concepts and techniques required to be effective on the job. The course is especially well suited to:

- Early-career IT professionals, IT managers, career changers, and career advancers
- Students and recent graduates

## Prerequisites

No specific prerequisites are required for the C|CT certification, although previous knowledge and experience in IT and networking with a focus on cybersecurity can be an advantage. Candidates should have knowledge of computers and computer networks prior to entering the C|CT program, although core technologies are covered in the curriculum.

## Programme

1. INFORMATION SECURITY THREATS AND VULNERABILITIES 2. Information Security Attacks  
 3. Network Security Fundamentals 4. Identification, Authentication, and Authorization  
 5. Network Security Controls: Administrative Controls 6. Network Security Controls: Physical Controls  
 7. Network Security Controls: Technical Controls 8. Network Security Assessment Techniques and Tools 9. Application Security  
 10. Virtualization and Cloud Computing 11. Wireless Network Security 12. Mobile Device Security  
 13. Internet of Things (IoT) and Operational Technology (OT) Security 14. Cryptography 15. Data Security  
 16. Network Troubleshooting 17. Network Traffic Monitoring 18. Network Log Monitoring and Analysis 19. Incident Response  
 20. Computer Forensics 21. Business Continuity and Disaster Recovery 22. Risk Management

## Test and Certification

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  
 Exam Mode: Remote Proctoring Services Passing Score: 70%

## Session Dates

On request. Please [Contact Us](#)

## Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)