

## CCT – Certified Cybersecurity Technician

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Porto
- **Data:** 12 Set. 2022 a 16 Set. 2022
- **Preço:** 1500€
- **Promoção:** -10%
- **Horário:** Laboral - das 9h00 às 18h00
- **Duração:** 40 horas

### **Kickstart your Career in Cybersecurity with Skills-Based Labs and Exams**

#### **CCT - Become a Responsible Cyber Operator in Any IT Role:**

The CCT program allows individuals to eventually grow their skills into various roles, including penetration testing, security consulting, auditor and administrator roles, and beyond. It establishes a foundation of technical skills required to create successful technologists who will advance across various work roles.

#### **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 Practicals Hands-on Labs**
- An immersive **Practical Certification** Delivered in a Live Cyber Range
- **Performance-Based Exam**, combined with **Live Cyber Range** Activities
- 50% of Training Time: **Dedicated to Labs**
- Multidisciplinary Learnings: Network Defense, Ethical Hacking, Digital Forensics, Security Operations

#### **CCT's Key Offerings:**

##### **Strong Foundational Coverage**

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!

## **How Will the Certified Cybersecurity Technician Credential Benefit You?**

It facilitates your entry into the cybersecurity realm as a cybersecurity technician. It provides fundamental professional skills and solidifies the concepts of information security, network security, computer forensics, risk management, and incident handling.

It enhances your skills as a cybersecurity specialist and increases your employability chances. It provides hands-on practical skills essential for a cybersecurity technician or any role in IT with administrative privileges where security should be considered and practiced.

## **Job Description of a Cybersecurity Technician:**

A professional who provides technical cybersecurity support, troubleshoots network security problems, monitors alerts, and follows policies, procedures, and standards to protect information assets.

## **Job Opportunities & Job Roles for C|CT Credential:**

The Certified Cybersecurity Technician certification prepares IT and Cybersecurity professionals for a wide range of complex issues that focus on securing software, networks, and IT systems while understanding common threats and attacks. C|CT offers a multifaceted approach to network defense, ethical hacking, and security operations to ensure individuals use their strongest abilities to configure, analyze, and identify problems within their organization. This course will prepare and enhance skills in the following roles:

- IT Support Specialist;
- IT Networking Specialist;

- Cybersecurity Technicians;
- Network Engineers;
- SOC Analyst;
- IT Managers;

***O curso inclui o respetivo exame de certificação, a ser obrigatoriamente realizado presencialmente, num dos centros de Exames Rumos ou Galileu. Caso opte pela modalidade remota terá de suportar um custo adicional de 75€ + IVA (Isenção do valor do IVA a particulares) .***

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## Destinatários

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.

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## Pré-requisitos

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

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## Objectivos

### **What will you learn?**

- Key issues plaguing the cybersecurity industry (information security and network security)
- Information security threats, vulnerabilities, and attacks
- Different types of malware
- Network security fundamentals
- Identification, authentication, and authorization concepts
- 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)
- Network security assessment techniques and tools (threat hunting, threat intelligence, vulnerability assessment, ethical hacking, penetration testing, and configuration and asset management)

- Application security design and testing techniques
  - Fundamentals of virtualization, cloud computing, and cloud security
  - Wireless network fundamentals, wireless encryption, and security measures
  - Fundamentals of mobile, IoT, and OT devices and their security measures
  - Cryptography and public key infrastructure concepts
  - Data security controls, data backup and retention methods, and data loss prevention techniques
  - Network troubleshooting, traffic monitoring, log monitoring, and analysis for suspicious traffic
  - Incident handling and response process
  - Computer forensics fundamentals, digital evidence, and forensic investigation phases
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## Metodologia

### **About the Exam:**

Exam Title: Certified Cybersecurity Technician

Number of questions: 60

Duration: 3 hours

Language: English

Test Format: Multiple Choice and Real Life hands-on Practical Exam

Passing Score: 70%

Exam Mode: Remote Proctoring Services

### **Is there any eligibility criteria to apply for the CCT Exam?**

There are no eligibility criteria to apply for the CCT exam.

### **What is the format of the CCT exam available?**

The CCT exam is an MCQ (Multiple Choice Question) + Practical exam. This exam is only available at the ECC Exam Centre.

### **How many MCQ and Practical questions are included in the CCT exam?**

The CCT exam consists of two sections; the first section contains 50 multiple-choice questions, and the second section contains ten hands-on practical questions.

### **What is the duration of the exam?**

The exam duration is 185 mins.

### **What is the passing percentage for the exam?**

The candidate must score 70% to pass the C|CT Exam.

### **Is CCT an open book exam?**

No, it's not an open book exam.

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# Programa

- 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