

## EC-Council Certified Cybersecurity Technician (C|CT) + Exam voucher

**Duration: 5 Days**    **Course Code: ECCT**    **Delivery Method: Company Event**

### Overview:

This EC-Council training will prepare you for the Certified Cybersecurity Technician certification (C|CT). It is an entry-level cybersecurity program created by EC-Council, the creator of the Certified Ethical Hacker (C|EH) certification, to address the global demand for a qualified cybersecurity workforce.

EC-Council developed the C|CT to provide individuals starting their careers in IT and cybersecurity with a certification that validates their hands-on technical skills. To equip individuals with the skills they need to pursue and develop their careers as cybersecurity specialists, consultants, network engineers, IT administrators, and more.

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.

### Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

### Target 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

### Objectives:

- 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
- 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

hunting, threat intelligence, vulnerability assessment, ethical hacking, penetration testing, configuration and asset management)

## 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.

## Testing and Certification

### Exams:

Exam Title: Certified Cybersecurity Technician

Exam Code: 212-82

Number of Questions: 60

Duration: 3 hours

Exam Availability Locations: ECC Exam Portal

Languages: English

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

Passing Score: 70%

Exam Mode: Remote Proctoring Services

### Certification:

Certified Cybersecurity Technician certification

The C|CT certification prepares IT and cybersecurity professionals to handle a wide range of complex issues related to securing software, networks, and IT systems against common cyberthreats and attacks.

The C|CT offers a multifaceted approach that incorporates network defense, ethical hacking, and security operations to ensure that certification holders have a strong, well-rounded background that enables them to configure, analyze, and identify problems within an organization.

The C|CT course equips participants with the skills required for the following roles:

- - IT networking specialist
- - Cybersecurity technician
- - Network administrator
- - Security operations center (SOC) analyst
- - Network engineer
- - IT manager

## Content:

- 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

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## Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

[training@globalknowledge.ae](mailto:training@globalknowledge.ae)

[www.globalknowledge.com/en-ae/](http://www.globalknowledge.com/en-ae/)

Global Knowledge, Dubai Knowledge Village, Block 2A, First Floor, Office F68, Dubai, UAE