EC-Council Certified Security Specialist

Duration: 5 Days

Course Description:

This course allows students to enhance their skills in three different areas namely Network Defense, Ethical Hacking, Digital Forensics and the cybersecurity industry.

Target Audience:

ECSS is designed for anyone who want to enhance their skills and make career in information security, network security, and computer forensics fields.

Course Objectives:

- Network Security Fundamentals
- Identification, Authentication, and Authorization
- Network Security Controls: Administrative Controls
- Network Security Controls: Physical Controls
- Network Security Controls: Technical Controls
- Virtualization and Cloud Computing
- Wireless Network Security
- Mobile Device Security
- IoT Device Security
- Cryptography and PKI
- Data Security
- Network Traffic Monitoring
- Information Security Fundamentals
- Ethical Hacking Fundamentals
- Information Security Threats and Vulnerabilities
- Password Cracking Techniques and Countermeasures
- Social Engineering Techniques and Countermeasures
- Network-Level Attacks and Countermeasures
- Web Application Attacks and Countermeasures
- Wireless Attacks and Countermeasures
- Mobile Attacks and Countermeasures
- IoT and OT Attacks and Countermeasures
- Cloud Computing Threats and Countermeasures
- Penetration Testing Fundamentals
- Computer Forensics Fundamentals
- Computer Forensics Investigation Process
- Understanding Hard Disks and File Systems
- Data Acquisition and Duplication
- Defeating Anti-forensics Techniques
- Windows Forensics
- Linux and MacForensics
- Network Forensics
- Investigating Web Attacks
- Dark Web Forensics
- Investigating Email Crime
- Malware Forensics

Course Outlines:

Network Defense Essentials
- Network Security Fundamentals
- Identification, Authentication, and Authorization
- Network Security Controls: Administrative
- Controls
- Network Security Controls: Physical Controls
- Network Security Controls: Technical Controls
- Virtualization and Cloud Computing
- Wireless Network Security
- Mobile Device Security
- IoT Device Security
- Cryptography and the Public Key
- Infrastructure
- Data Security
- Network Traffic Monitoring

Ethical Hacking Essentials
- Information Security Fundamentals
- Ethical Hacking Fundamentals
- Information Security Threats and Vulnerability
- Assessment
- Password Cracking Techniques and
- Countermeasures
- Social Engineering Techniques and
- Countermeasures
- Network Level Attacks and Countermeasures
- Web Application Attacks and
- Countermeasures
- Wireless Attacks and Countermeasures
- Mobile Attacks and Countermeasures
- IOT & OT Attacks and Countermeasures
- Cloud Computing Threats and
- Countermeasures
- Penetration Testing Fundamentals

Digital Forensics Essentials
- Computer Forensics Fundamentals
- Computer Forensics Investigation Process
- Understanding Hard Disks and File Systems
- Data Acquisition and Duplication
- Defeating Anti-forensics Techniques
- Windows Forensics
- Linux and Mac Forensics
- Network Forensics
- Investigating Web Attacks
- Dark Web Forensics
- Investigating Email Crimes
- Malware Forensics

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