

ECC Certified Secure Computer User (CSCU) (112-12)



Course Outline:

Module 1: Introduction To Data Security

- Data–Digital Building Blocks
- Importance of Data in the Information Age
- Threats to Data
- Data Security
- Potential Losses Due to Security Attacks
- Implementing Security

Module 2: Securing Operating Systems

- Guidelines To Secure Windows
- Guidelines To Secure Mac OS X

Module 3: Malware and Antiviruses

- What is Malware
- Types Of Malware
- Symptoms Of Malware Infection
- Antivirus
- Configuring and Using Antivirus Software
- How To Test If an Antivirus is Working

Module 4: Internet Security

- Understanding Web Browser Concepts
- Understanding IM Security
- Understanding Child Online Safety

Module 5: Security On Social Networking Sites

- Understanding Social Networking Concepts
- Understanding Various Social Networking Security Threats
- Understanding Facebook Security Settings
- Understanding Twitter Security Settings

Module 6: Securing Email Communications

- Understanding Email Security Concepts
- Understanding Various Email Security Threats
- Understanding Various Email Security Procedures

Module 7: Securing Mobile Devices

- Understanding Mobile Device Security Concepts
- Understanding Threats To a Mobile Device
- Understanding Various Mobile Security Procedures
- Understanding How to Secure iPhone and iPad Devices
- Understanding How to Secure Android Devices
- Understanding How to Secure Windows Device
- Mobile Security Tools

Module 8: Securing The Cloud

- The Concept of Cloud
- How Cloud Works
- Threats To Cloud Security
- Safeguarding Against Cloud Security Threats
- Cloud Privacy Issues
- Addressing Cloud Privacy Issues
- Choosing a Cloud Service Provider

Module 9: Securing Network Connections

- Understanding Various Networking Concepts
- Understanding Setting Up a Wireless Network in Windows
- Understanding Setting Up a Wireless Network in Mac
- Understanding Threats to Wireless Network Security and Countermeasures
- Measures to Secure Network Connections

Module 10: Data Backup and Disaster Recovery

- Data Backup Concepts
- Types of Data Backups
- Windows Backup and Restore Procedures
- MAC OS X Backup and Restore Procedures
- Understanding Secure Data Destruction

Build and Deploy a Mobile Assault Kit

Course Outline:

This course has been structured and designed based on industry expected levels of competent skills and practical real-world capabilities, which security professionals are expected to be proficient in their work duties. The transfer process happens quicker when we build modules to support complicated attack vectors.

This is an advanced hands-on practical course, straight to the point, that teaches students how to build, break, fix and modify an array of dedicated hardware devices for extreme hacking! Focusing on tactical skills to hack and exploit Wired, Wi-Fi and RF communications systems.

You will build you own mobile assault kit, configure and practice with it during the course and take it home with you at the end of the course.