

## EC-Council Security5

### **Course Introduction**

5m

Course Introduction

### **Module 01 - Foundations of Security**

28m

Foundations of Security

Essential Terminology

What is Security?

Need for Security

Cyber Crime

The Security, Functionality and Ease of Use Triangle

Security Myths

How to Harden Security

Module 01 Review

### **Module 02 - Basic Security Procedures**

52m

Basic Security Procedures

Why Do I Need to Worry About My Computer's Security?

Step 1: Hardening of Operating System

Demo - Doing Windows Updates

Pointers for Updates

Step 2: Disable Unnecessary Services

Demo - Services

Step 3: Use Strong Passwords

Illustration - Creating Strong Passwords

Step 4: Deploy an Antivirus and Firewall

Demo - Windows Firewall

Step 5: Disable Guest Accounts

Demo - Guest User

Other Precautions: "Make Private" Folders

Security Settings in MS Office Apps

Demo - Security Settings in MS Word

Module 02 Review

### **Module 03 - Desktop Security**

1h 12m

Desktop Security

What is File Sharing?

Types of File Sharing

How to Share a Folder

Demo - File Sharing

Configuring Shared Folder Permissions

Demo - Folder Permissions

How to Hide Files and Folders

Taking Care While Transferring Files

Taking Care While Downloading Files

Knowing File Backup

How to Backup a File

Demo - Backing Up a File

Knowing Data Restoration

Demo - Restore a File  
Encryption  
Demo - Encrypting a File  
Decryption  
Lock/Unlock the Computer  
Employing Screensaver Password  
Using Task Manager  
Run/Kill Processes  
Killing Process Trees  
Identifying Suspect Processes and Applications  
Demo - Processes  
Applications - Downloading Securely  
Applications - Downloading Securely, Checksum  
Security Aspects of DLL Files  
Module 03 Review

### **Module 04 - Administering Windows Securely**

49m

Administering Windows Securely  
Overview of Event Viewer  
Demo - Event Viewer  
How to Read Logs on Your System  
How to Enable Auditing on Your System  
Demo - Auditing  
Overview of Windows Registry  
Understand Registry Entries  
Restoring Registry Settings  
Demo - RegEdit  
Demo - Registry Entry  
How to Close a Port  
Demo - Closing a Port  
OS Internal Commands  
OS Internal Commands for Basic Operations  
Demo - Netstat  
Services and the Ports They Listen On  
Module 04 Review

### **Module 05 - Recognizing Security Threats and Attacks**

40m

Recognizing Security Threats and Attacks  
Knowing and Detecting Phishing  
Security Threats and Attacks  
Virus  
Trojan Horse  
Worms  
Interesting Variations of Viruses/Worms  
Spyware  
Adware  
Keylogger  
Social Engineering  
Denial of Service  
Spamming  
Port Scanning  
Demo - Port Scanner  
Password Cracking

Demo - Password Cracker  
Basic Security Measures  
Module 05 Review

## **Module 06 - Securing Internet Access**

50m

Securing Internet Access  
Step 1 - Basic Browser Security Settings  
Illustration - Restricting Site Access  
Demo - Restricting Site Access  
Illustration - Change the Security Level of a Zone  
Step 2 - Understanding Secure Websites  
Tools - Internet Filtering Software  
Step 3 - Configuring Internet Content Access  
Illustration - Activating Content Advisor  
Demo - Content Advisor  
Customizing Content Access Using Ratings  
Step 4 - Knowing Cookies  
Privacy Matters - Cookie Settings  
How to Delete Cookies  
Demo - Deleting Cookies  
Step 5 - Using P2P Networks Securely  
Choosing Appropriate Browser Settings  
Wireless Network Security Features  
Module 06 Review

## **Module 07 - Working on the Internet**

50m

Working on the Internet  
Precepts of Security  
Knowing Encryption  
eNotes - Encryption Example  
Knowing Digital Certificates  
Working with Digital Signatures  
Working with Email (Web Based)  
Working with Email (Mail Client)  
Working with File Transfer (FTP)  
Working with File Transfer (Web Folders)  
Knowing Online Payment Systems  
Working with Credit Cards  
Working with Instant Messengers  
Working Across File Sharing Networks  
Working on Dial-In Networks  
Working with Portable Devices  
Working with Wireless Devices  
Working with USB Devices  
Working with Media Files  
Working with 3rd Party Software  
Module 07 Review

## **Module 08 - Incident Response**

21m

Incident Response  
Incident - Trojan Attack  
Response - Trojan Attack  
Boot Sector Virus Attack  
Incident - Home Page Settings Changed

Response - Home Page Settings Changed  
"Prevention is Better Than Cure"  
Incident - Corrupted Registry  
Response - Corrupted Registry  
Demo - Restoring the Registry  
Incident - CD/DVD Automatically Runs  
Response - CD/DVD Automatically Runs  
Module 08 Review  
Course Closure

Total Duration: 6 hrs 5 min