

# EC-Council Security5

- **Course Length:** 2 Day

## Course Overview

The Security 5 is an entry level professional certification for individuals interested in learning computer networking and security basics. This certification program insures an individuals competency in basic security matters, such as the definitions and the safe implementation of Firewall's, ports, and Anti-virus software.

## Course Outline

<b><u>Course Introduction</u></b>	5m
Course Introduction	
<b><u>Module 01 - Foundations of Security</u></b>	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	
<b><u>Module 02 - Basic Security Procedures</u></b>	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**