



## COMPLETE COMPUTING, INC.

---

# Certified Ethical Hacking: Version 6

*Course length: 5 days*

### Course Description

This class will immerse the students into an interactive environment where they will be shown how to scan, test, hack and secure their own systems. The lab intensive environment gives each student in-depth knowledge and practical experience with the current essential security systems. Students will begin by understanding how perimeter defenses work and then be lead into scanning and attacking their own networks, no real network is harmed. Students then learn how intruders escalate privileges and what steps can be taken to secure a system. Students will also learn about Intrusion Detection, Policy Creation, Social Engineering, DDoS Attacks, Buffer Overflows and Virus Creation. When a student leaves this intensive 5 day class they will have hands on understanding and experience in Ethical Hacking. This course prepares you for EC-Council Certified Ethical Hacker exam 312-50.

### Who Should Attend

This course will significantly benefit security officers, auditors, security professionals, site administrators, and anyone who is concerned about the integrity of the network infrastructure.

### Course Content

#### Lesson 1: Introduction to Ethical Hacking

- Topic 1A: Problem Definition -Why Security?
- Topic 1B: Essential Terminologies
- Topic 1C: Elements of Security
- Topic 1D: The Security, Functionality and Ease of Use Triangle
- Topic 1E: Case Study
- Topic 1F: What does a Malicious Hacker do?
- Topic 1G: Types of Hacker Attacks
- Topic 1H: Hacktivism
- Topic 1I: Hacker Classes
- Topic 1J: Security News: Suicide Hacker
- Topic 1K: Ethical Hacker Classes
- Topic 1L: What do Ethical Hackers do?
- Topic 1M: Can Hacking be Ethical
- Topic 1N: How to become an Ethical Hacker
- Topic 1O: Skill Profile of an Ethical Hacker
- Topic 1P: What is Vulnerability Research?
- Topic 1Q: How to Conduct Ethical Hacking
- Topic 1R: How Do They Go About It?
- Topic 1S: Approaches to Ethical Hacking
- Topic 1T: Ethical Hacking Testing
- Topic 1U: Ethical Hacking Deliverables
- Topic 1V: Computer Crimes and Implications



# COMPLETE COMPUTING, INC.

---

## Lesson 2: Hacking Laws

- Topic 2A: <http://www.usdoj.gov>
- Topic 2B: <http://www.gob.mx/>
- Topic 2C: <http://www.jf.gov.br/>
- Topic 2D: <http://canada.justice.gc.ca/en/>
- Topic 2E: <http://www.opsi.gov.uk>
- Topic 2F: <http://europa.eu/>
- Topic 2G: Belgium Laws
- Topic 2H: Denmark Laws
- Topic 2I: France Laws
- Topic 2J: German Laws
- Topic 2K: Greece Laws
- Topic 2L: Italian Laws
- Topic 2M: Netherlands Laws
- Topic 2N: Norway
- Topic 2O: The Cybercrime Act 2001
- Topic 2P: The Information Technology Act
- Topic 2Q: Japan's Cyber Laws
- Topic 2R: Singapore's Cyber Laws
- Topic 2S: Act on Promotion of Information and Communications Network Utilization and Information Protection
- Topic 2T: The Computer Crimes Act 1997
- Topic 2U: <http://www.legislation.gov.hk/>
- Topic 2V: Telecommunication Law

## Lesson 3: Footprinting

- Topic 3A: Revisiting Reconnaissance
- Topic 3B: Defining Footprinting
- Topic 3C: Why is Footprinting Necessary
- Topic 3D: Areas and Information which Attackers Seek
- Topic 3E: Information Gathering Methodology
- Topic 3F: Footprinting Tools
- Topic 3G: E-Mail Spiders
- Topic 3H: Steps to Create Fake Login Pages
- Topic 3I: How to Create Fake Login Pages
- Topic 3J: Websites using Man-in-the-Middle Phishing Kit
- Topic 3K: Benefits to Fraudster
- Topic 3L: Steps to Perform Footprinting

## Lesson 4: Google Hacking

- Topic 4A: What is Google hacking
- Topic 4B: What a hacker can do with vulnerable site
- Topic 4C: Anonymity with Caches
- Topic 4D: Using Google as a Proxy Server
- Topic 4E: Directory Listings
- Topic 4F: Going Out on a Limb: Traversal Techniques
- Topic 4G: Extension Walking
- Topic 4H: Site Operator
- Topic 4I: `intitle:index.of`
- Topic 4J: `error | warning`
- Topic 4K: `login | logon`
- Topic 4L: `username | userid | employee.ID | "your username is"`
- Topic 4M: `password | passcode | "your password is"`



## COMPLETE COMPUTING, INC.

---

Topic 4N: admin | administrator  
Topic 4O: -ext:html -ext:htm -ext:shtml -ext:asp -ext:php  
Topic 4P: inurl:temp | inurl:tmp | inurl:backup | inurl:bak  
Topic 4Q: intranet | help.desk  
Topic 4R: Locating Public Exploit Sites  
Topic 4S: Locating Vulnerable Targets  
Topic 4T: Web Server Software Error Messages  
Topic 4U: Application Software Error Messages  
Topic 4V: Default Pages  
Topic 4W: Searching for Passwords  
Topic 4X: Google Hacking Database (GHDB)  
Topic 4Y: SiteDigger Tool  
Topic 4Z: Gooscan  
Topic 4AA: Goolink Scanner  
Topic 4AB: Goolag Scanner  
Topic 4AC: Tool: Google Hacks  
Topic 4AD: Google Hack Honeygot  
Topic 4AE: Google Protocol  
Topic 4AF: Google Cartography

### **Lesson 5: Scanning**

Topic 5A: Scanning: Definition  
Topic 5B: Types of Scanning  
Topic 5C: Objectives of Scanning  
Topic 5D: CEH Scanning Methodology  
Topic 5E: War Dialer Technique  
Topic 5F: Banner Grabbing  
Topic 5G: Vulnerability Scanning  
Topic 5H: Draw Network Diagrams of Vulnerable Hosts  
Topic 5I: Preparing Proxies  
Topic 5J: Scanning Countermeasures  
Topic 5K: Tool: SentryPC

### **Lesson 6: Enumeration**

Topic 6A: Overview of System Hacking Cycle  
Topic 6B: What is Enumeration?  
Topic 6C: Techniques for Enumeration  
Topic 6D: NetBIOS Null Sessions  
Topic 6E: PS Tools  
Topic 6F: Network Management Protocol (SNMP) Enumeration  
Topic 6G: LDAP enumeration  
Topic 6H: NTP enumeration  
Topic 6I: SMTP enumeration  
Topic 6J: Web enumeration  
Topic 6K: Winfingerprint  
Topic 6L: How To Enumerate Web Application Directories in IIS Using DirectoryServices  
Topic 6M: IP Tools Scanner  
Topic 6N: Enumerate Systems Using Default Password  
Topic 6O: Tools:  
Topic 6P: Steps to Perform Enumeration



## COMPLETE COMPUTING, INC.

---

### **Lesson 7: System Hacking**

- Topic 7A: Part 1- Cracking Password
- Topic 7B: Part 2- Escalating Privileges
- Topic 7C: Part 3 - Executing applications
- Topic 7D: Part 4 - Hiding files
- Topic 7E: Part 5 - Covering Tracks

### **Lesson 8: Trojans and Backdoors**

- Topic 8A: Effect on Business
- Topic 8B: What is a Trojan?
- Topic 8C: Indications of a Trojan Attack
- Topic 8D: Ports Used by Trojans
- Topic 8E: Trojans
- Topic 8F: Classic Trojans Found in the Wild
- Topic 8G: Hacking Tool: Loki
- Topic 8H: Atelier Web Remote Commander
- Topic 8I: Trojan Horse Construction Kit
- Topic 8J: How to Detect Trojans?
- Topic 8K: Anti-Trojan Software
- Topic 8L: Evading Anti-Virus Techniques
- Topic 8M: Sample Code for Trojan Client/Server
- Topic 8N: Evading Anti-Trojan/Anti-Virus using Stealth Tools
- Topic 8O: Backdoor Countermeasures
- Topic 8P: Tripwire
- Topic 8Q: System File Verification
- Topic 8R: MD5 Checksum.exe
- Topic 8S: Microsoft Windows Defender
- Topic 8T: How to Avoid a Trojan Infection

### **Lesson 9: Viruses and Worms**

- Topic 9A: Virus History
- Topic 9B: Characteristics of Virus
- Topic 9C: Working of Virus
- Topic 9D: Why people create Computer Viruses
- Topic 9E: Symptoms of a Virus-like Attack
- Topic 9F: Virus Hoaxes
- Topic 9G: Chain Letters
- Topic 9H: How is a Worm Different from a Virus
- Topic 9I: Indications of a Virus Attack
- Topic 9J: Hardware Threats
- Topic 9K: Software Threats
- Topic 9L: Virus Damage
- Topic 9M: Stages of Virus Life
- Topic 9N: Virus Classification
- Topic 9O: How Does a Virus Infect?
- Topic 9P: Storage Patterns of Virus
- Topic 9Q: Famous Virus/Worms – I Love You Virus
- Topic 9R: Famous Virus/Worms – Melissa
- Topic 9S: Famous Virus/Worms – JS/Spth
- Topic 9T: Klez Virus Analysis
- Topic 9U: Latest Viruses
- Topic 9V: Top 10 Viruses- 2008
- Topic 9W: Writing a Simple Virus Program
- Topic 9X: Virus Construction Kits



## COMPLETE COMPUTING, INC.

---

Topic 9Y: Virus Detection Methods  
Topic 9Z: Virus Incident Response  
Topic 9AA: What is Sheep Dip?  
Topic 9AB: Virus Analysis – IDA Pro Tool  
Topic 9AC: Prevention is better than Cure  
Topic 9AD: Anti-Virus Software  
Topic 9AE: Popular Anti-Virus Packages  
Topic 9AF: Virus Databases

### **Lesson 10: Sniffers**

Topic 10A: Definition - Sniffing  
Topic 10B: Protocols Vulnerable to Sniffing  
Topic 10C: Tool: Network View – Scans the Network for Devices  
Topic 10D: The Dude Sniffer  
Topic 10E: Wireshark  
Topic 10F: Display Filters in Wireshark  
Topic 10G: Following the TCP Stream in Wireshark  
Topic 10H: Cain and Abel  
Topic 10I: Tcpdump  
Topic 10J: Tcpdump Commands  
Topic 10K: Types of Sniffing  
Topic 10L: What is ARP?  
Topic 10M: IP-based sniffing  
Topic 10N: Linux Sniffing Tools (dsniff package)  
Topic 10O: DNS Poisoning Techniques  
Topic 10P: Interactive TCP Relay  
Topic 10Q: Interactive Replay Attacks  
Topic 10R: Raw Sniffing Tools  
Topic 10S: Features of Raw Sniffing Tools  
Topic 10T: How to Detect Sniffing  
Topic 10U: Countermeasures

### **Lesson 11: Social Engineering (DVD)**

### **Lesson 12: Phishing (DVD)**

### **Lesson 13: Hacking Email Accounts (DVD)**

### **Lesson 14: Denial-of-Service**

Topic 14A: Real World Scenario of DoS Attacks  
Topic 14B: What are Denial-of-Service Attacks?  
Topic 14C: Goal of DoS  
Topic 14D: Impact and the Modes of Attack  
Topic 14E: Types of Attacks  
Topic 14F: DoS Attack Classification  
Topic 14G: Bot (Derived from the Word RoBOT)  
Topic 14H: What is a DDoS Attack?  
Topic 14I: DDoS Tools  
Topic 14J: Worms  
Topic 14K: How to Conduct a DDoS Attack  
Topic 14L: The Reflected DoS Attacks  
Topic 14M: Reflection of the Exploit  
Topic 14N: Countermeasures for Reflected DoS  
Topic 14O: DDoS Countermeasures



## COMPLETE COMPUTING, INC.

---

- Topic 14P: Taxonomy of DDoS Countermeasures
- Topic 14Q: Preventing Secondary Victims
- Topic 14R: Detect and Neutralize Handlers
- Topic 14S: Detect Potential Attacks
- Topic 14T: DoSHTTP Tool
- Topic 14U: Mitigate or Stop the Effects of DDoS Attacks
- Topic 14V: Deflect Attacks
- Topic 14W: Post-attack Forensics
- Topic 14X: Packet Traceback

### **Lesson 15: Session Hijacking**

- Topic 15A: What is Session Hijacking?
- Topic 15B: Spoofing vs. Hijacking
- Topic 15C: Steps in Session Hijacking
- Topic 15D: Types of Session Hijacking
- Topic 15E: Session Hijacking Levels
- Topic 15F: Network Level Hijacking
- Topic 15G: The 3-Way Handshake
- Topic 15H: TCP Concepts 3-Way Handshake
- Topic 15I: Sequence Numbers
- Topic 15J: TCP/IP hijacking
- Topic 15K: IP Spoofing: Source Routed Packets
- Topic 15L: RST Hijacking
- Topic 15M: Blind Hijacking
- Topic 15N: Man in the Middle: Packet Sniffer
- Topic 15O: UDP Hijacking
- Topic 15P: Application Level Hijacking
- Topic 15Q: Programs that Performs Session Hacking
- Topic 15R: Dangers that hijacking Pose
- Topic 15S: Protecting against Session Hijacking
- Topic 15T: Countermeasures: IPsec

### **Lesson 16: Hacking Web Servers**

- Topic 16A: How Web Servers Work
- Topic 16B: How are Web Servers Compromised
- Topic 16C: Web Server Defacement
- Topic 16D: Attacks against IIS
- Topic 16E: Unicode
- Topic 16F: Hotfixes and Patches
- Topic 16G: Solution: UpdateExpert
- Topic 16H: Vulnerability Scanners
- Topic 16I: Online Vulnerability Search Engine
- Topic 16J: Network Tool: Whisker
- Topic 16K: Network Tool: N-Stealth HTTP Vulnerability Scanner
- Topic 16L: Hacking Tool: WebInspect
- Topic 16M: Network Tool: Shadow Security Scanner
- Topic 16N: Secure IIS
- Topic 16O: Countermeasures
- Topic 16P: Increasing Web Server Security
- Topic 16Q: Web Server Protection Checklist



## COMPLETE COMPUTING, INC.

---

### **Lesson 17: Web Application Vulnerabilities**

- Topic 17A: Web Application Setup
- Topic 17B: Web application Hacking
- Topic 17C: Anatomy of an Attack
- Topic 17D: Web Application Threats
- Topic 17E: Cross-Site Scripting/XSS Flaws
- Topic 17F: SQL Injection
- Topic 17G: Command Injection Flaws
- Topic 17H: Cookie/Session Poisoning
- Topic 17I: Parameter/Form Tampering
- Topic 17J: Hidden Field at
- Topic 17K: Buffer Overflow
- Topic 17L: Directory Traversal/Forceful Browsing
- Topic 17M: Cryptographic Interception
- Topic 17N: Cookie Snooping
- Topic 17O: Authentication Hijacking
- Topic 17P: Log Tampering
- Topic 17Q: Error Message Interception
- Topic 17R: Attack Obfuscation
- Topic 17S: Platform Exploits
- Topic 17T: DMZ Protocol Attacks
- Topic 17U: Security Management Exploits
- Topic 17V: TCP Fragmentation
- Topic 17W: Hacking Tools

### **Lesson 18: Web-Based Password Cracking Techniques**

- Topic 18A: Authentication - Definition
- Topic 18B: Authentication Mechanisms
- Topic 18C: Bill Gates at the RSA Conference 2006
- Topic 18D: How to Select a Good Password
- Topic 18E: Things to Avoid in Passwords
- Topic 18F: Changing Your Password
- Topic 18G: Protecting Your Password
- Topic 18H: Examples of Bad Passwords
- Topic 18I: The "Mary Had A Little Lamb" Formula
- Topic 18J: How Hackers Get Hold of Passwords
- Topic 18K: Windows XP: Remove Saved Passwords
- Topic 18L: What is a Password Cracker?
- Topic 18M: Modus Operandi of an Attacker Using a Password Cracker
- Topic 18N: How Does a Password Cracker Work?
- Topic 18O: Attacks - Classification
- Topic 18P: Password Crackers Available
- Topic 18Q: Countermeasures

### **Lesson 19: SQL Injection**

- Topic 19A: What is SQL Injection?
- Topic 19B: Exploiting Web Applications
- Topic 19C: Steps for performing SQL injection
- Topic 19D: What You Should Look For
- Topic 19E: What If It Doesn't Take Input
- Topic 19F: OLE DB Errors
- Topic 19G: Input Validation Attack
- Topic 19H: SQL injection Techniques
- Topic 19I: How to Test for SQL Injection Vulnerability



## COMPLETE COMPUTING, INC.

---

- Topic 19J: How Does It Work?
- Topic 19K: BadLogin.aspx.cs
- Topic 19L: BadProductList.aspx.cs
- Topic 19M: Executing Operating System Commands
- Topic 19N: Getting Output of SQL Query
- Topic 19O: Getting Data from the Database Using ODBC Error Message
- Topic 19P: How to Mine all Column Names of a Table
- Topic 19Q: How to Retrieve any Data
- Topic 19R: How to Update/Insert Data into Database
- Topic 19S: SQL Injection in Oracle
- Topic 19T: SQL Injection in MySQL Database
- Topic 19U: Attacking Against SQL Servers
- Topic 19V: SQL Server Resolution Service (SSRS)
- Topic 19W: Osq -L Probing
- Topic 19X: SQL Injection Automated Tools
- Topic 19Y: Blind SQL Injection
- Topic 19Z: SQL Injection Countermeasures
- Topic 19AA: Preventing SQL Injection Attacks
- Topic 19AB: GoodLogin.aspx.cs
- Topic 19AC: SQL Injection Blocking Tool: SQL Block
- Topic 19AD: Acunetix Web Vulnerability Scanner

### **Lesson 20: Hacking Wireless Networks**

- Topic 20A: Introduction to Wireless
- Topic 20B: Wireless Standards
- Topic 20C: Wireless Concepts and Devices
- Topic 20D: WEP and WPA
- Topic 20E: Attacks and Hacking Tools
- Topic 20F: Scanning Tools
- Topic 20G: Sniffing Tools
- Topic 20H: Hacking Wireless Networks
- Topic 20I: Wireless Security
- Topic 20J: Wireless Security Tools

### **Lesson 21: Physical Security (DVD)**

### **Lesson 22: Linux Hacking**

- Topic 22A: Why Linux?
- Topic 22B: Linux Distributions
- Topic 22C: Linux Live CD-ROMs
- Topic 22D: Basic Commands of Linux: Files & Directories
- Topic 22E: Directories in Linux
- Topic 22F: Installing, Configuring, and Compiling Linux Kernel
- Topic 22G: How to Install a Kernel Patch
- Topic 22H: Compiling Programs in Linux
- Topic 22I: GCC Commands
- Topic 22J: Make Files
- Topic 22K: Make Install Command
- Topic 22L: Linux Vulnerabilities
- Topic 22M: Chrooting
- Topic 22N: Why is Linux Hacked?
- Topic 22O: How to Apply Patches to Vulnerable Programs
- Topic 22P: Scanning Networks
- Topic 22Q: Nmap in Linux



## COMPLETE COMPUTING, INC.

---

Topic 22R: Scanning Tool: Nessus  
Topic 22S: Port Scan Detection Tools  
Topic 22T: Password Cracking in Linux: Xcrack  
Topic 22U: Firewall in Linux: IPTables  
Topic 22V: IPTables Command  
Topic 22W: Basic Linux Operating System Defense  
Topic 22X: SARA (Security Auditor's Research Assistant)  
Topic 22Y: Linux Tool: Netcat  
Topic 22Z: Linux Tool: tcpdump  
Topic 22AA: Linux Tool: Snort  
Topic 22AB: Linux Tool: SAINT  
Topic 22AC: Linux Tool: Wireshark  
Topic 22AD: Linux Tool: Abacus Port Sentry  
Topic 22AE: Linux Tool: DSNIFF Collection  
Topic 22AF: Linux Tool: Hping2  
Topic 22AG: Linux Tool: Sniffit  
Topic 22AH: Linux Tool: Nemesis  
Topic 22AI: Linux Tool: LSOFF  
Topic 22AJ: Linux Tool: IPTraf  
Topic 22AK: Linux Tool: LIDS  
Topic 22AL: Hacking Tool: Hunt  
Topic 22AM: Tool: TCP Wrappers  
Topic 22AN: Linux Loadable Kernel Modules  
Topic 22AO: Hacking Tool: Linux Rootkits  
Topic 22AP: Rootkits: Knark & Torn  
Topic 22AQ: Rootkits: Tuxit, Adore, Ramen  
Topic 22AR: Rootkit: Beastkit  
Topic 22AS: Rootkit Countermeasures  
Topic 22AT: 'chkrootkit' detects the following Rootkits  
Topic 22AU: Linux Tools: Application Security  
Topic 22AV: Advanced Intrusion Detection Environment (AIDE)  
Topic 22AW: Linux Tools: Security Testing Tools  
Topic 22AX: Linux Tools: Encryption  
Topic 22AY: Linux Tools: Log and Traffic Monitors  
Topic 22AZ: Linux Security Auditing Tool (LSAT)  
Topic 22BA: Linux Security Countermeasures  
Topic 22BB: Steps for Hardening Linux

### **Lesson 23: Evading IDS, Firewalls and Detecting Honey Pots**

Topic 23A: Introduction to Intrusion Detection System  
Topic 23B: Terminologies  
Topic 23C: Intrusion Detection System (IDS)  
Topic 23D: What is a Firewall?  
Topic 23E: Common Tool for Testing Firewall and IDS  
Topic 23F: What is a HoneyPot?  
Topic 23G: Tools to Detect HoneyPots  
Topic 23H: What to do when hacked

### **Lesson 24: Buffer Overflows**

Topic 24A: Why are Programs/Applications Vulnerable?  
Topic 24B: Buffer Overflows  
Topic 24C: Reasons for Buffer Overflow Attacks  
Topic 24D: Knowledge Required to Program Buffer Overflow Exploits  
Topic 24E: Understanding Stacks



## COMPLETE COMPUTING, INC.

---

Topic 24F: Understanding Heaps  
Topic 24G: Types of Buffer Overflows: Stack-based Buffer Overflow  
Topic 24H: Types of Buffer Overflows: Heap-based Buffer Overflow  
Topic 24I: Understanding Assembly Language  
Topic 24J: How to Detect Buffer Overflows in a Program  
Topic 24K: NOPs  
Topic 24L: How to Mutate a Buffer Overflow Exploit  
Topic 24M: Once the Stack is Smashed  
Topic 24N: Defense Against Buffer Overflows  
Topic 24O: Buffer Overflow Protection Solution: Libsafe  
Topic 24P: Simple Buffer Overflow in C

### **Lesson 25: Cryptography**

Topic 25A: Introduction to Cryptography  
Topic 25B: Classical Cryptographic Techniques  
Topic 25C: Cryptographic Algorithms  
Topic 25D: RSA (Rivest Shamir Adleman)  
Topic 25E: Data Encryption Standard (DES)  
Topic 25F: RC4, RC5, RC6, Blowfish  
Topic 25G: Message Digest Functions  
Topic 25H: SHA (Secure Hash Algorithm)  
Topic 25I: SSL (Secure Sockets Layer)  
Topic 25J: What is SSH?  
Topic 25K: Algorithms and Security  
Topic 25L: Disk Encryption  
Topic 25M: Government Access to Keys (GAK)  
Topic 25N: Digital Signature  
Topic 25O: Digital Certificates  
Topic 25P: PGP (Pretty Good Privacy)  
Topic 25Q: CypherCalc  
Topic 25R: Command Line Scriptor  
Topic 25S: CryptoHeaven  
Topic 25T: Hacking Tool: PGP Crack  
Topic 25U: Magic Lantern  
Topic 25V: Advanced File Encryptor  
Topic 25W: Encryption Engine  
Topic 25X: Encrypt Files  
Topic 25Y: Encrypt PDF  
Topic 25Z: Encrypt Easy  
Topic 25AA: Encrypt my Folder  
Topic 25AB: Advanced HTML Encrypt and Password Protect  
Topic 25AC: Encrypt HTML source  
Topic 25AD: Alive File Encryption  
Topic 25AE: Omziff  
Topic 25AF: ABC CHAOS  
Topic 25AG: EncryptOnClick  
Topic 25AH: CryptoForge  
Topic 25AI: SafeCryptor  
Topic 25AJ: CrypTool  
Topic 25AK: Microsoft Cryptography Tools  
Topic 25AL: Polar Crypto Light  
Topic 25AM: CryptoSafe  
Topic 25AN: Crypt Edit  
Topic 25AO: CrypSecure



## COMPLETE COMPUTING, INC.

---

Topic 25AP: Cryptlib  
Topic 25AQ: Crypto++ Library  
Topic 25AR: Code Breaking: Methodologies  
Topic 25AS: Cryptanalysis  
Topic 25AT: Cryptography Attacks  
Topic 25AU: Brute-Force Attack  
Topic 25AV: Cracking S/MIME Encryption Using Idle CPU Time  
Topic 25AW: distributed.net  
Topic 25AX: Use Of Cryptography

**Lesson 26: Penetration Testing (DVD)**

**Lesson 27: Macintosh Hacking (Lesson 34 on DVD)**

**Lesson 28: Hacking Routers, Cable Modems and Firewalls (Lesson 35 on DVD)**

**Lesson 29: Hacking Mobile Phones, PDA and Handheld Devices (Lesson 36 on DVD)**

**Lesson 30: Bluetooth Hacking (Lesson 37 on DVD)**

**Lesson 31: VoIP Hacking (Lesson 38 on DVD)**

**Lesson 32: RFID Hacking (Lesson 39 on DVD)**

**Lesson 33: Spamming (Lesson 40 on DVD)**

**Lesson 34: Hacking USB Devices (Lesson 41 on DVD)**

**Lesson 35: Hacking Database Servers (Lesson 42 on DVD)**

**Lesson 36: Cyber Warfare- Hacking, Al-Qaida and Terrorism (Lesson 43 on DVD)**

**Lesson 37: Internet Content Filtering Techniques (Lesson 44 on DVD)**

**Lesson 38: Privacy on the Internet (Lesson 45 on DVD)**

**Lesson 39: Securing Laptop Computers (Lesson 46 on DVD)**

**Lesson 40: Spying Technologies (Lesson 47 on DVD)**

**Lesson 41: Corporate Espionage- Hacking Using Insiders (Lesson 48 on DVD)**

**Lesson 42: Creating Security Policies (Lesson 49 on DVD)**

**Lesson 43: Software Piracy and Warez (Lesson 50 on DVD)**

**Lesson 44: Hacking and Cheating Online Games (Lesson 51 on DVD)**

**Lesson 45: Hacking RSS and Atom (Lesson 52 on DVD)**

**Lesson 46: Hacking Web Browsers (Firefox, IE) (Lesson 53 on DVD)**

**Lesson 47: Proxy Server Technologies (Lesson 54 on DVD)**



## COMPLETE COMPUTING, INC.

---

**Lesson 48: Data Loss Prevention (Lesson 55 on DVD)**

**Lesson 49: Hacking Global Positioning System (GPS) (Lesson 56 on DVD)**

**Lesson 50: Computer Forensics and Incident Handling (Lesson 57 on DVD)**

**Lesson 51: Lesson Labs**