

## **CHFI - Computer Hacking Forensic Investigator**

### **COURSE OVERVIEW:**

The Computer Hacking Forensic Investigator (CHFI) course delivers the security discipline of digital forensics from a vendor-neutral perspective. CHFI is a comprehensive course covering major forensic investigation scenarios and the course enables students to acquire necessary hands-on experience with various forensic investigation techniques and standard forensic tools necessary to successfully carry out a computer forensic investigation leading to the prosecution of perpetrators.

The CHFI certification will give participants (Law enforcement personnel, system administrators, security officers, defense and military personnel, legal professionals, bankers, security professionals, and anyone who is concerned about the integrity of the network infrastructure.) the necessary skills to perform an effective digital forensics investigation.

CHFI presents a methodological approach to computer forensics including searching and seizing, chain-of-custody, acquisition, preservation, analysis, and reporting of digital evidence.

### **WHO WILL BENEFIT FROM THIS COURSE?**

The CHFI program is designed for all IT professionals involved with information system security, computer forensics, and incident response.

- Anyone interested in cyber forensics/investigation
- Attorneys, legal consultants, and lawyers
- Law enforcement officers
- Police officers
- Federal/ government agents
- Defense and military
- Detectives/ investigators
- Incident response team members
- Information security managers
- Network defenders
- IT professionals, IT directors/managers
- System/network engineers
- Security analyst/architect/auditors/consultants

### **COURSE OBJECTIVES:**

Computer forensics enables the systematic and careful identification of evidence in computer-related crime and abuse cases. This may range from tracing the hacker through a client's systems, to tracing the originator of defamatory emails, to recovering signs of fraud.

This official EC-Council training for CHFI v9 curriculum is a comprehensive course with 14 training modules covering major forensic investigation scenarios.

- Establish threat intelligence and key learning points to support pro-active profiling and scenario modeling
- Perform anti-forensic methods detection
- Perform post-intrusion analysis of electronic and digital media to determine the who, where, what, when, and how the intrusion occurred
- Extract and analyze logs from various devices like proxy, firewall, IPS, IDS, Desktop, laptop, servers, SIM tool, router, firewall, switches AD server, DHCP logs, Access Control Logs & conclude as part of the investigation process.
- Identify & check the possible source / incident origin.
- Recover deleted files and partitions in Windows, Mac OS X, and Linux
- Conduct reverse engineering for known and suspected malware files
- Collect data using forensic technology methods in accordance with evidence handling procedures, including a collection of hard copy and electronic documents

#### **COURSE OUTLINE:**

CHFI v9 curriculum is a comprehensive course with 14 training modules covering major forensic investigation scenarios:

- Module 1: Computer Forensics in Today's World
- Module 2: Computer Forensics Investigation Process
- Module 3: Understanding Hard Disks and File Systems
- Module 4: Data Acquisition and Duplication
- Module 5: Defeating Anti-forensics
- Module 6: Operating Systems Forensics (Windows, Mac, Linux)
- Module 7: Network Forensics
- Module 8: Investigating Web Attacks
- Module 9: Database Forensics
- Module 10: Cloud Forensics
- Module 11: Malware Forensics
- Module 12: Investigating Email Crimes
- Module 13: Mobile Forensics
- Module 14: Forensics Report Writing and Presentation

#### **SUNSET LEARNING INSTITUTE (SLI) DIFFERENTIATORS:**

Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their cloud technology investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

#### **Premiere World Class Instruction Team**

- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience.
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

#### **Enhanced Learning Experience**

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

#### **Convenient and Reliable Training Experience**

- You have the option to attend classes at any of our established training facilities or from the convenience of your home or office with the use of our HD-ILT network (High Definition Instructor Led Training)
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

#### **Outstanding Customer Service**

- Dedicated account manager to suggest the optimal learning path for you and your team
- Enthusiastic Student Services team available to answer any questions and ensure a quality training experience