



# Computer Hacking Forensic Investigator (CHFI)

## Description

### What is the Computer Hacking Forensic Investigator (CHFI) course?

The Computer Hacking Forensic Investigator (CHFI) training is a comprehensive program designed for professionals aiming to master digital forensics. In a time when cyberattacks are increasing, it is essential to know how to collect and analyze digital evidence. This course enables you to gain practical skills for investigating security incidents, whether they occur on computers, networks, or even cloud environments.

### Why should you take this course?

By following this program, you will learn to identify traces left by attackers, secure and duplicate sensitive data, and defend against anti-forensic techniques. This CHFI certification also provides the skills to analyze complex attacks on various systems, including Windows, Linux, and mobile devices. If you work in IT security or want to evolve in this field, this training is essential for acquiring advanced skills in digital investigation.

### Niveau

Intermédiaire

### Course Content

#### Module 1: Computer Forensics in Today's World

- Introduction to current digital forensic challenges
- Roles and responsibilities in forensic investigations

#### Module 2: Computer Forensics Investigation Process

- Key steps in forensic investigations
- Collecting and preserving digital evidence

#### Module 3: Understanding Hard Disks and File Systems

- How hard disks function
- Analyzing file systems (FAT, NTFS, ext)

#### Module 4: Data Acquisition and Duplication

- Data acquisition methods
- Secure data duplication techniques

### **Module 5: Defending Anti-Forensics Techniques**

- Identifying anti-forensic techniques
- Defense strategies against these techniques

### **Module 6: Windows Forensics**

- Collecting and analyzing evidence on Windows
- Using forensic tools for Windows

### **Module 7: Linux and Mac Forensics**

- Forensic analysis on Linux and Mac systems
- Tools and techniques for these systems

### **Module 8: Network Forensics**

- Investigating network attacks
- Collecting and analyzing network data

### **Module 9: Malware Forensics**

- Analyzing malware
- Investigating traces left by malware

### **Module 10: Investigating Web Attacks**

- Investigating web-based attacks
- Identifying exploitable vulnerabilities

### **Module 11: Dark Web Forensics**

- Analyzing Dark Web activities
- Tools and techniques for investigating the Dark Web

### **Module 12: Cloud Forensics**

- Forensic investigations in cloud environments
- Collecting evidence from cloud platforms

### **Module 13: Email and Social Media Forensics**

- Analyzing evidence from emails
- Investigating social media platforms

### **Module 14: Mobile Forensics**

- Collecting evidence from mobile devices
- Tools and techniques for mobile investigations

### **Module 15: IoT Forensics**

- Investigating IoT devices
- Challenges and opportunities in IoT forensics

### **Documentation**

- Digital course material included

### **Exam**

- This course prepares to the Computer Hacking Forensic Investigator (CHFI) certification
- In order to receive the Computer Hacking Forensic Investigator (CHFI) certification, learners must pass the exam : 312-49
- Number of questions: 150
- Duration: 4 hours
- If you wish to take the exam, please contact our secretariat who will let you know the cost of the exam and will take care of all the necessary administrative procedures for you.

### **Participant profiles**

- Cybersecurity professionals
- System and network administrators
- IT security analysts
- Incident response experts
- Digital forensics consultants

### **Prerequisites**

- Basic knowledge of IT security
- Understanding of operating systems (Windows, Linux, Mac)
- Knowledge of networks and IT infrastructure
- Experience in managing security incidents

### **Objectives**

- Understand the forensic investigation process
- Analyze hard drives and file systems
- Acquire and duplicate sensitive data
- Defend against anti-forensic techniques
- Investigate network and web attacks
- Analyze evidence on Windows, Linux, and Mac systems

### **Description**

Computer Hacking Forensic Investigator (CHFI) training

#### **Classroom Registration Price (CHF)**

5900

#### **Virtual Classroom Registration Price (CHF)**

5650

#### **Duration (in Days)**

5

### **Reference**

CHFI