

# COMPUTER FORENSICS

## CURRICULUM



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# Introduction

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Digital forensics involves the investigation of computer-related crimes with the goal of obtaining evidence to be presented in a court of law.

In this course, you will learn the principles and techniques for digital forensics investigation and the spectrum of available computer forensics tools.

You will learn about core forensics procedures to ensure court admissibility of evidence, as well as the legal and ethical implications. You will learn how to perform a forensic investigation on both Unix/Linux and Windows systems with different file systems.

You will also be guided through forensic procedures and review and analyze forensics reports.

# Full Term

## Course

This is a full term course. The course consists of 13 modules. Please note that all topics for the current module are to be completed before proceeding to the next module.

### Communication with the Instructor

It is important to remember that while the Internet is available 24 hours a day, your instructor may not be. You can expect that your instructor will respond to e-mail message to you within 1 to 2 business days during the week and may not be available to respond on weekends.

### Who is the course for?

- Legal professionals
- People faced with legal action or those taking legal action.
- Anyone who would like to know more about computer forensics



## WHAT YOU WILL ACHIEVE

### Outcome 1

Identify and apply appropriate forensics tools to acquire, preserve and analyze system image

### Outcome 2

Write, Review and critique a forensics report

### Outcome 3

How to properly handle digital media before and during investigations.

### Outcome 4

Know how evidence can be obtained from some of the latest technologies



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# Credit Hour and Commitment

This course is broken down into 13 modules and consists of slides and quizzes; therefore, it is projected that you will spend approximately 36 hours total on this course. This course has 13 modules of continuous lessons and roughly a 3-hour commitment per module.



## Course Methods and Delivery

Methods of instruction include slide lesson/module, with the accompanying slides and quizzes. Interactions with the instructor will be through email and in class. Regular participation in the course is essential to guaranteed success.

You will have access to online lessons, materials and resources. This course is instructor facilitated.

No Requirements

### Methods of Instruction

### Your Schedule

### Course Requirements

# Course Outline

Module 1

Types of Computer-Based Investigations



Module 2

The Forensic Analysis Process



Module 3

Acquisition of Evidence

Module 4

Computer Systems



Module 5

Computer Investigation Process



Module 6

Windows Artifact Analysis



Module 7

RAM Memory Forensic Analysis

# Course Outline

Module 8

Email Forensics – Investigation Techniques



Module 9

Internet Artifacts



Module 10

Online Investigations

Module 11

Network Basics



Module 12

Report Writing



Module 13

Expert Witness Ethics

# JOIN THE COURSE



Learn from industry experts to get personalized coaching focused on your specific aims and challenges.

Register Now!

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