



❖ Course Description

The rate of fraud, abuse and downright criminal activity on IT systems by hackers, contractors and even employees are reaching alarming rates. Corporate IT, Law Enforcement and Information Security Professionals are often required to perform computer forensics jobs regularly. This course will be useful for anyone interested to enter the world of cyber crime investigation and computer forensics.

❖ Type of Delivery

E-Learning

❖ Duration

Recommended: **10 Weeks**

But you will have one year access to the training materials.

You can set your own schedule.

❖ Training Benefits

- Online access for 1 year
- Professional training materials
- Video Tutorials
- Assignments, projects and activities
- International certificate from ASKPC
- CEUs Certificate from IEEE
- CPE credits for CISSP certificate – 36 CPE

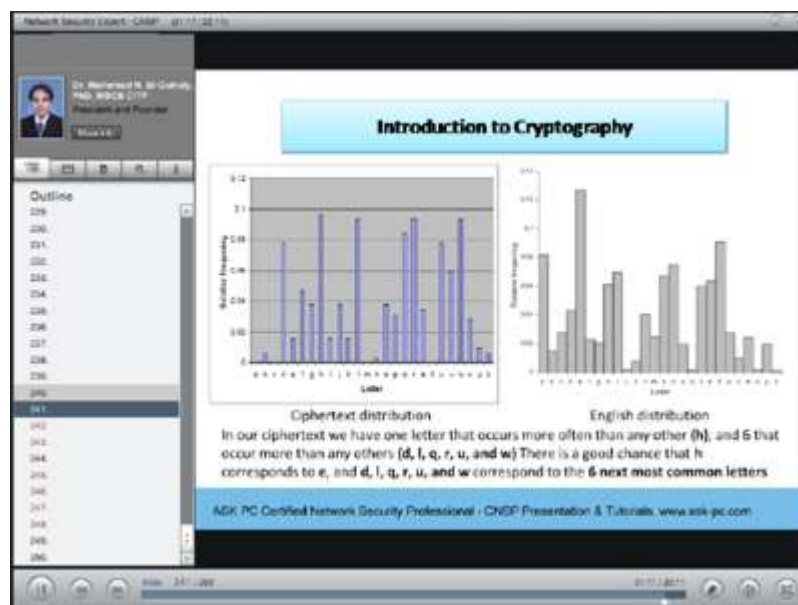
❖ Course Contents

Cybercrime is on the rise. Computer Forensics Specialists are needed by today's companies and government agencies to determine the root cause of a hacker attack, collect evidence legally admissible in court, and protect corporate assets and reputation. Evidence exists on computers in many places and formats. In addition to evidentiary documents themselves, operating systems and programs leave behind a vast array of evidentiary artifacts that can be used to establish the guilt or innocence of accused parties. The course will cover the range of computer forensics skills needed to acquire, analyze and report findings for Windows platform. You will be familiar also with the recovering of hidden data and Steganalysis and much more. The best way to become a forensics expert is to attend specialized cybercrime training such as C3I from ASK PC.

❖ A few of the covered topics are

- What is cybercrime
- Understanding cybercrime and related legal issues
- Types of cybercrime
- Categorizing cybercrime
- National and international cybercrime laws
- History of cybercrime
- Understanding cybercriminals and their motives
- Cyber warfare and National Security
- Cyber victims
- What is cyber investigation
- Understanding Computer hardware
- Understand Storage and Media
- Understanding file system
- Computer Forensic Process
- Recovering lost and deleted data
- Data acquisition and duplication
- Understanding Windows Boot Process
- Windows Forensic and analysis
- Collecting evidence on Windows machine

- Windows Forensic tools
- Understanding file verification
- Deciphering Dump files and registry
- Live-Analysis Techniques
- Registry Evidence
- Tool Analysis
- Windows Event Logs
- Forensic Analysis of Event Logs
- Email servers
- Tracing and email
- Investigating and email crime
- Understanding network traffic
- How to investigate network devices and traffic
- Investigating Wireless networks
- Investigating Mobile devices
- Understanding Malware Analysis
- Understanding Steganalysis techniques
- Advanced forensic tools
- Understanding EnCase Tool
- And much more



❖ **Who should attend**

This course is suitable for anyone interested in understanding cybercrime investigation with basic knowledge of IT. Also suitable for IT managers, system administrators, crime prevention units, law enforcement and other professional people.

❖ **Prerequisites**

Fair understanding of Information Technology and Windows operating system is required. It is preferable to be familiar with computer networking, wireless access and mobile technologies. It is highly recommended that you should be familiar with the materials covered in the following ASK PC courses:

- Certified Network Security Professional – CNSP
- Certified Web Application Security Professional – CWASP

For more information: www.askpc.net

❖ **Recommended references**

- Guide to computer Forensics and Investigation, 3rd Edition
- Steganography for the Computer Forensics Examiner
- ISSA Journal, Selected Articles
- Additional resources will be described inside your student area.

❖ **Added Benefits**

Through a collaboration between the Institute of Electrical and Electronics Engineers (IEEE) and ASKPC, you can now further your education without compromising quality for convenience. Once you successfully complete the training with required assessments you will receive CEUs certificate from IEEE. If you are an IEEE member, you will be entitled for **10% discount**. For more information: www.ieee.org/partners

❖ **ISSA Egypt**

ASKPC is the founding sponsor and course provider for ISSA Chapter in Egypt. As an ISSA member you will be entitled for **10% discount**. If you are not a member yet, you will get ISSA membership for one year. ISSA membership is a great value for your training. You will have access to professional benefits such as ISSA journal, whitepapers, and free webinars. You will also interact with security professionals all over the world. For more information please visit: www.issa.or or www.issa-eg.org

❖ **About the author**

Mohamed N. El-Guindy, PhD, CEng, MBCS CITP, MIEEE, ABILD is the author and developer of ASKPC IS security courses. He is also the founder and president of both ASKPC and ISSA chapter in Egypt. He has broad experience in the field of Information Technology and also speaker in many security events.

For more information, kindly check this page: <http://www.ask-pc.com/founder.html>

More about ASK PC: www.askpc.net

Check our security training and courses:



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