

#### ❖ Course Description

If you plan to build a career in information security—one of today's most visible professions—and if you have at least five full years of experience in information security, then the CISSP® credential should be your next career goal. The CISSP was the first credential in the field of information security, accredited by the ANSI (American National Standards Institute) to ISO (International Standards Organization). CISSP certification is not only an objective measure of excellence, but a globally recognized standard of achievement.

#### ❖ Type of Delivery

E-Learning (*Especially developed for ISSA-Egypt Chapter*)

#### ❖ 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
- CPE credits for CISSP certificate
- Certificate of Completion from ISSA

## ❖ Course Contents

Information is one of the most valuable assets of the organization and it needs to be protected. Technological solutions alone cannot protect your assets. People are the key to a secure organization. So, every organization needs qualified information security professionals to maintain the highest standard of security for their customers.

This eLearning course is designed to help you prepare for the CISSP exam. It covers the “Ten CBK Domains” required by (ISC)<sup>2</sup>

Introduction

Security Management Practices

Management Responsibilities

Security Policies and their supporting counterparts

Roles and Responsibilities

Risk Management

Security Awareness

Security Architecture

Computer architecture

Components within an operating system

OSI Model

Trusted computing base and security mechanisms

Different security models used in software development

Security criteria and ratings

Cryptography

History of cryptography

Cryptography components and their relationships

Government involvement in cryptography

Symmetric and asymmetric key cryptosystems

Hashing algorithms and uses

Types of attacks on cryptosystems

## Telecom, Network & Internet Security

TCP/IP Suite

Cabling and data transmission types

LAN and WAN technologies

Network devices and service

Telecommunication protocols and devices

Remote access methods and technologies

## Applications Security

Different types of software controls and implementation

Database concepts and security issues

Data warehousing and data mining

Software life cycle development processes

Change control concepts

Object-oriented programming components

## Access Control

Authentication methods, models and technologies

Discretionary, mandatory and non-discretionary access control

Accountability, monitoring and auditing practices

Possible threats to access control practices and technologies

## Continuity of Operations

Business Continuity Planning

Disaster Recovery Planning

Possible Threats

Business Impact Analysis

Roles and Responsibilities

Backups and Off-site Facilities

## Physical Security

Administrative, technical and physical controls pertaining to physical security

Facility location, construction and management

Physical security risks, threats and countermeasures

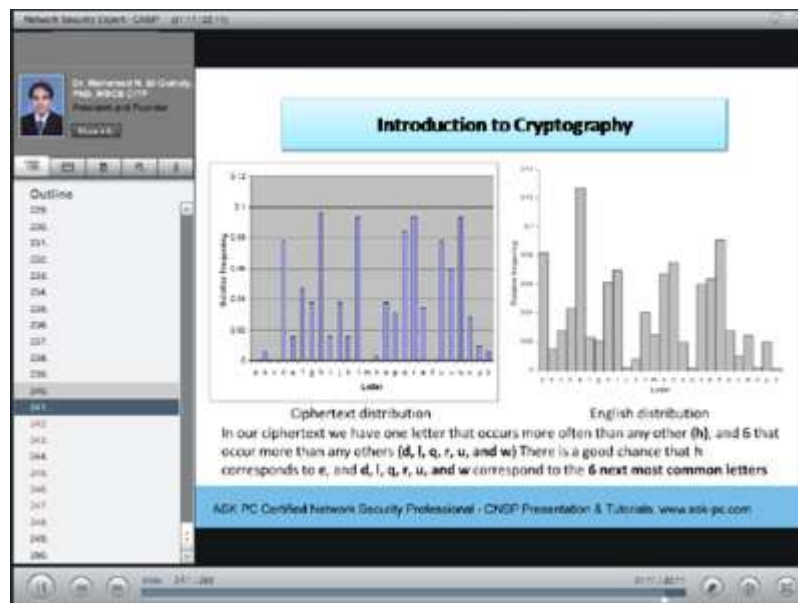
Electrical issues and countermeasures

Fire prevention, detection and suppression

Authenticating individuals and intrusion detection

Law, Investigations, Ethics  
Ethics for security professionals  
Best practices for security professionals  
Computer crimes and computer laws  
Computer crime investigation process and evidence collection  
Incident handling procedures  
Different types of evidence  
Computer crime legislation

Operations Security  
Operations responsibilities  
Media access protection  
System recovery  
Facsimile security  
Intrusion detection systems  
Attack types



❖ **Who should attend**

This course is suitable for anyone willing to understand advanced topics in Information Security. It is suitable also for:

- System Engineers
- Network Professionals
- Security Testers
- Security Consultants
- Firewall Engineers
- Network Architects

❖ **Prerequisites**

Anyone may attend this course, but those with experience in one or more of the ten domains will reap the greatest benefits.

❖ **Recommended references**

- The Official (ISC)<sup>2</sup> Guide to the CISSP CBK
- CISSP certification all-in-One Exam Guide, Shon Harris
- Information Security Management Handbook, Tipton and Krause
- Security In Computing, Pfleeger and Pfleeger

### ❖ **ISSA Certificate of Completion and the CPE Credits**

This course is designed only for members of the Information Systems Security Association –ISSA®. ASKPC is sponsoring this course for ISSA Egypt chapter. If you are a member of ISSA Egypt chapter, you will be able to register in this course at very low fees. If you are not a member, you need to register and join ISSA International before you register for this training: [www.issa.org](http://www.issa.org). You can also register through ISSA Egypt chapter: [www.issa-eg.org](http://www.issa-eg.org)

Once you complete the CISSP training and preparation exam, you will be issued a certificate of completion from ISSA-Egypt chapter with CPE credits for CISSP certification.

### ❖ **The Official CISSP Exam**

To get the CISSP certification, you need to locate the exam location near you and register directly via (ISC)<sup>2</sup>: [www.isc2.org](http://www.isc2.org)  
You can register using this link:  
<https://www.isc2.org/certification-register-now.aspx>

**Check our security training and courses:**



[www.askpc.net](http://www.askpc.net)