



# COURSE AGENDA

## CERTIFIED INFORMATION SECURITY SYSTEMS PROFESSIONAL (CISSP)

TOPICS	CLASSROOM
<b>1. Introduction</b>	
CISSP	
About (ISC) <sup>2</sup>	
CISSP Domains	
Why CISSP?	
How to Certify?	
About CISSP Exam	
<b>2. Information Security Governance &amp; Risk Management</b>	
Aligning Security to support organizational Goals, Mission and Objectives	
Information Security Management	
The Big Three - CIA	
Information Classification	
Policy Implementation	
Information Risk Management	
Risk Analysis	
Managing Personnel Security	
Security Awareness training	

### 3. Access Control

Definitions

Access Control Terminologies

Types of Access Control

Access Control Models

Access Control Techniques

Access Control Administration

Accountability

Access Control Practices

Access Control Monitoring

Threats to Access Control

### 4. Security Architecture & Design

Architecture Framework

Security Models

Evaluation Criteria

Enterprise Security Architecture

System Security Architecture

Security Threats and Countermeasures

### 5. Telecom & Network Security

Secure network architecture and design

Securing network components

Secure communication channels

Attacks on network

## 6. Physical (Environment) Security

Need for Physical and Environmental Security

Site and Facility Design Criteria

Perimeter Security

Access Control

Building and Inside Security

Secure Operational Areas

Environmental Controls

## 7. Software Development Security

System Environments

System Life cycle and systems development

Object-oriented programming

Software security and assurance

Database and data warehousing environments

Malwares

Knowledge Management

Web Application Environment

The 10 best practices

## 8. Business Continuity and Disaster Recovery Planning

Basic Concepts

BCP/DRP Phases

- Project Scope and Initiation
- Business Impact Analysis
- Preventive Controls Identification
- Recovery Strategy
- Plan Design and Development
- Implementation, Testing and Training

- Plan Maintenance

BCP/DRP Frameworks

Best Practices

## 9. Legal Regulations, Investigations & Compliance

Computer Crimes

Major Legal Systems

Intellectual Property Law

Privacy

Incident Response

Investigations

Compliance

(ISC)2 Code of Ethics

## 10. Cryptography

Cryptography Concepts

Symmetric Cryptography

Asymmetric Cryptography

Public Key Infrastructure

Hash Function

Key Management

Internet Security

Attacks on Cryptography

## 11. Operations Security

Operations Security Concepts

Maintaining Operational Resilience

Maintaining Resilient Systems

Protecting Valuable Assets

Controlling System Accounts

Managing Security Services Effectively

Key Operational Processes and Procedures

For information on the course, visit: <http://www.simplilearn.com/it-security-management/cissp-certification-training>

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