CISSP: Mastering Information Systems Security Architecture

IT & IT Engineering
Istanbul (Turkey)
03 - 14 Aug 2025

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CISSP: Mastering Information Systems Security Architecture

Ref: 3327_130913 **Date:** 03 - 14 Aug 2025 **Location:** Istanbul (Turkey) **Fees:** 6600 **Euro**

Course Description

This comprehensive 10-day CISSP training course covers all eight domains of the CISSP Common Body of Knowledge CBK. Participants will gain in-depth knowledge of information systems security principles, practices, and architectures. The course prepares security professionals for the CISSP certification exam through lectures, discussions, and hands-on exercises.

Learning Objectives

- Understand and apply core concepts across all eight CISSP domains
- Develop skills to design, implement, and manage robust information security programs
- Learn to identify, assess, and mitigate information security risks
- Prepare thoroughly for the CISSP certification exam
- Gain practical experience through real-world case studies and exercises

Course Modules

Day 1: Security and Risk Management

- Information security concepts and principles
- Security governance and compliance
- Legal and regulatory issues
- Professional ethics

Day 2: Asset Security

- Information and asset classification
- Ownership and protection of assets
- Privacy protection
- Data security controls

Day 3: Security Architecture and Engineering I

- Security models and architectures
- Security evaluation models
- Security capabilities of information systems
- Vulnerabilities of security architectures

Day 4: Security Architecture and Engineering II

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- Cryptography fundamentals
- Site and facility security design
- Physical security
- Cloud and virtualization security

Day 5: Communication and Network Security

- Secure network architecture design
- Secure network components
- Secure communication channels
- Network attacks and countermeasures

Day 6: Identity and Access Management

- Physical and logical access control
- Identification and authentication technologies
- Identity as a Service IDaaS
- Access control attacks and countermeasures

Day 7: Security Assessment and Testing

- Assessment and test strategies
- Security control testing
- Security process data collection
- Security audits

Day 8: Security Operations I

- Investigations and incident management
- Disaster recovery
- Business continuity
- Logging and monitoring

Day 9: Security Operations II

- Resource protection techniques
- Incident response procedures
- Preventative measures
- Patch and vulnerability management

Day 10: Software Development Security

- Security in the Software Development Lifecycle
- Development environment security controls
- Software security effectiveness
- Acquired software security impact

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Practical Wins for Participants

- Ability to design and implement comprehensive information security programs
- Enhanced skills in risk assessment and mitigation strategies
- Improved capacity to align security practices with business objectives
- Readiness to pass the CISSP certification exam

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