

# **CISSP: Mastering Information Systems Security Architecture**

IT & IT Engineering  
Prague (Czech)  
28 Jul - 08 Aug 2025

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## **CISSP: Mastering Information Systems Security Architecture**

**Ref:** 3327\_138278 **Date:** 28 Jul - 08 Aug 2025 **Location:** Prague (Czech) **Fees:** 7400 **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**

The logo for UK Training Partner, featuring the text 'UK Training' in a smaller font above the word 'PARTNER' in a large, bold, sans-serif font. The background of the logo is a stylized chessboard with several chess pieces (a king, a queen, and a pawn) in gold and silver, set against a backdrop of concentric circles.

- 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

A graphic of a chessboard with several chess pieces, including a king, queen, and pawns, arranged on it. The board is white and black, and the pieces are gold and silver.

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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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