



WWW.KQEINC.COM

11301 US Highway 301
Thonotosassa, Florida 33592

Telephone: (813) 315-9883
Fax Number: (813) 902-6160

CISSP: Certified Information Systems Security Professional

Duration:

Instructor-led Classroom Learning - 5.00 Day(s)
Mentored Learning - Flexible

Outline:

Lesson 1: Information Security and Risk Management

- Information Security Management
- Security Awareness Training and Education
- Risk Management
- Ethics

Lesson 2: Access Control

- Definitions and Key Concepts
- Information Classification
- Access Control Categories and Types
- Access Control Threats
- Access to Systems/Data
- Access Control Technologies
- Assurance Mechanisms

Lesson 3: Cryptography

- Key Concepts and Definitions
- History
- Encryption Systems
- Symmetric and Asymmetric Algorithms
- Message Integrity Controls
- Digital Signatures
- Management of Cryptographic Systems
- Threats and Attacks

Lesson 4: Physical Security

- Definitions and Key Concepts
- Site Location
- Layered Defense Model
- Infrastructure Support Systems
- Equipment Protection



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Lesson 5: Security Architecture and Design

- Components and Principles
- System Security Techniques
- Hardware
- Software
- Security Models and Architecture Theory
- Security Evaluation Methods and Criteria

Lesson 6: Business Continuity Planning and Disaster Recovery Planning

- Project Scope Development and Planning
- Business Impact Analysis
- Emergency Assessment
- Continuity and Recovery Strategy
- Plan Design and Development
- Implementation
- Restoration
- Plan Management

Lesson 7: Telecommunications and Network Security

- Key Concepts and Definitions
- Networks
- Protocols
- Remote Access
- Network Components
- Telephony

Lesson 8: Application Security

- System Lifecycle Security
- Application Environment and Security Controls
- Programming Languages and Tools
- Databases and Data Warehouses
- Applications Systems Threats and Vulnerabilities
- Applications Security Controls

Lesson 9: Operations Security

- Resource Protection
- Change Control Management
- Physical Security Controls
- Privileged Entity Control



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Lesson 10: Legal, Regulations, Compliance and Investigation

Major Legal Systems
Legal Concepts
Regulatory Issues
Investigation
Computer Forensics