

# Certificate in Information Security Management Principles



Business Continuity  
Institute  
Corporate Partnership

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# Course content

## bcsc Why Attend

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The BCS Foundation Certificate in Information Security Management Principles (CISMP) is an entry-level information security course that is non-technical in nature. This 5-day course is designed to provide the knowledge and skills required to manage information security, information assurance and information risk-based processes.

The CISMP qualification provides participants with detailed knowledge of the concepts relating to information security (confidentiality, integrity, availability, vulnerability, threats, risks and countermeasures), along with an understanding of current legislation and regulations which impact information security management. Certification holders will be able to apply the practical principles covered throughout the course to ensure their normal business processes become robust and more secure.

The course follows the latest BCS syllabus and prepares participants for the multiple choice BCS examination which is included in the course fee and can be taken remotely at a time of each participant's choice.

### Course Methodology

This course uses a mixture of presentations, videos, group discussions, individual research and quizzes.

### Course Objectives

By the end of the course, participants will be able to:

- Understand the current business and common technical environments in which information security must operate.
- Recognize current national and international standards, frameworks and organizations which facilitate the management of information security.
- Explain the fundamental concepts relating to information security management.
- Describe the categorization, operation and effectiveness of controls of different types and characteristics.
- Understand current legislation and regulations which impact upon information security management.

### Target Audience

This course is ideal for members of information security management teams, IT managers, security and systems managers, information asset owners and employees with legal compliance responsibilities.

### Target Competencies

- Information security concepts
- Information security risk management
- Information security governance
- Business continuity management and disaster recovery
- Understanding of technical security controls



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## Course Outline

### **Information Security Management Principles** Concepts and Definitions

#### **Information Risk**

Threats  
Vulnerabilities  
Risk Management

#### **Information Security Framework**

Organizations and responsibilities  
Organizational policy, standards, and procedures  
Information security governance  
Information assurance program implementation  
Security incident management  
Legal frameworks  
Security standards and procedures

#### **Security Lifecycle**

The information life cycle  
Testing, audit, and review  
Systems development and support  
Procedural / People Security Controls  
General controls  
People security  
User access controls  
Training and awareness

#### **Technical Security Controls**

Technical security  
Protection from malicious software  
Networks and communications  
Operational Technology  
External services  
Cloud computing  
IT infrastructure

#### **Physical and Environmental Security Controls**

Physical Security  
Different uses of controls

### **Disaster Recovery (DR) and Business Continuity Management (BCM)**

Relationship between DR/BCP, risk assessment and impact analysis  
Resilience and redundancy  
Approached to writing plans and implementing plans  
The need for documentation, maintenance, and testing  
The need for links to managed service provision and outsourcing  
The need for secure off-site storage of vital material  
The need to involve personnel, suppliers, and IT systems providers  
Relationship with security incident management  
Compliance with standards

#### **Other Technical Aspects**

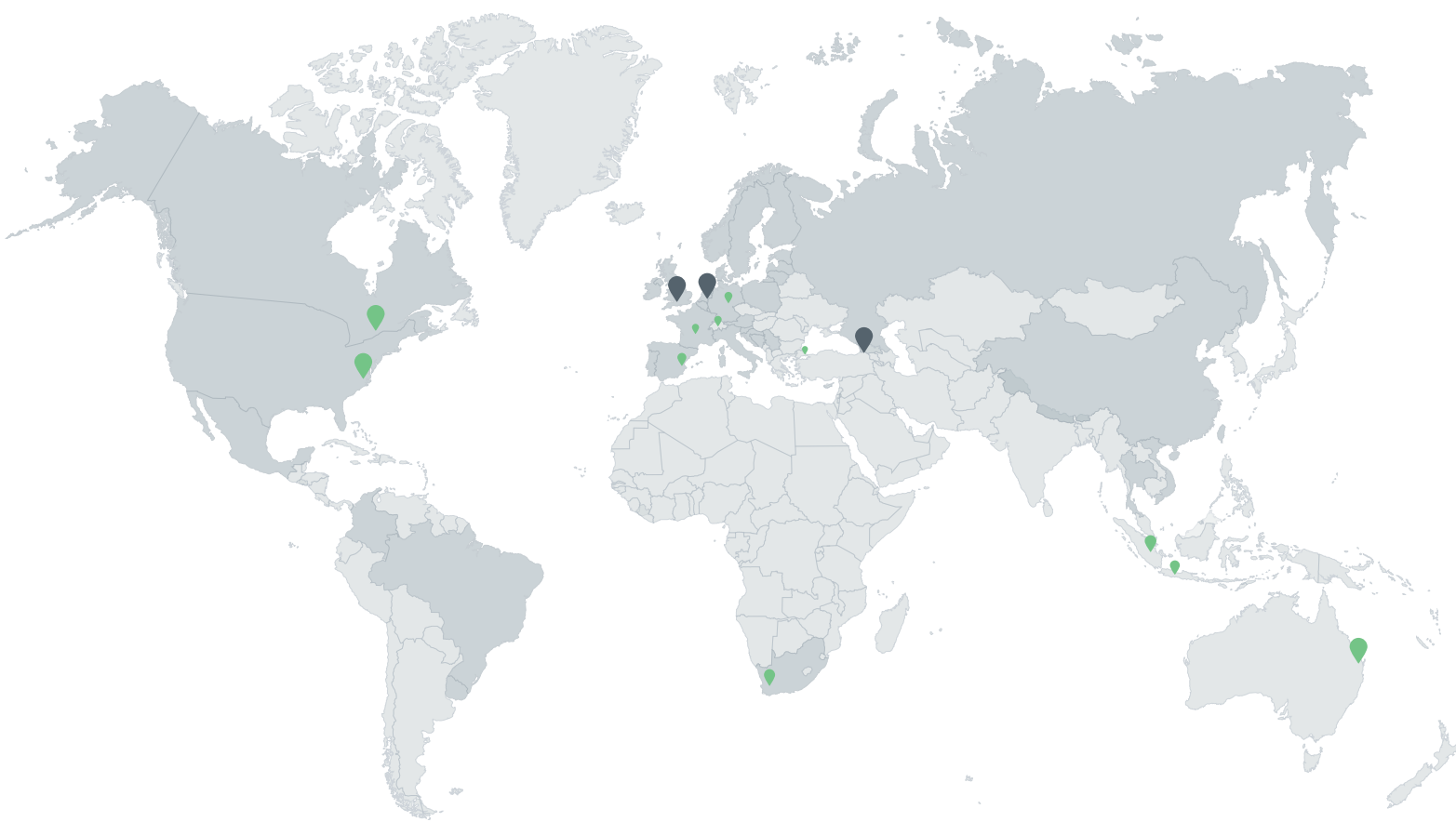
Investigations and forensics  
Role of cryptography  
Threat intelligence

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