

Soft-Train®



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Technology Works*

CISM Certification

(3 Days)

ST45015

COURSE GOAL: Students who take this course should be prepared to take the CISM exam.

PREREQUISITES: None

LEARNING OBJECTIVES:

Upon completion of this course the student will:

- Understand information security principles.
- Understand the processes involved in risk management.
- Manage information security within an organization.
- Understand the process and tools used in detecting and investigating information security breaches.

KEY TOPICS:

I. Information Security Governance

- A. Confidentiality, Integrity, and Availability
- B. Information Classification
- C. Network Security
- D. Access Control
- E. Security Architecture and Technologies
- F. Roles and Responsibilities
- G. Legal and Regulatory

II. Risk Management

- A. Risk Management Principles and Practices
- B. Risk Assessment
- C. Risk Mitigation Strategies
- D. NIST RA Process

III. Information Security Program Management

- A. Control and Safeguard Selection
- B. Information Security Process Improvement
- C. Project Management Methods and Techniques
- D. Systems Development Life Cycle (SDLC) Methodologies
- E. Certification and Accreditation
- F. Security Metrics Implementation

IV. Information Security Management

- A. Administration Processes and Procedures
- B. Security Awareness and Education

V. Response Management

- A. Intrusion Detection and Response
- B. Business Continuity and Contingency Planning
- C. Forensics