

Certified Information Security Manager (CISM)

Course Overview

This course teaches students about IT governance, information risk management, security program management and development, and incident management and response.

Chapter 1 - Introduction to the CISM

20m

Introduction to the CISM

Topic A: Defining the CISM

What is the CISM Anyway?

The Role of a CISM

Structure of the CISM

After You Pass

Topic B: Course Structure

Domains Covered

Chapter 1 Review

Chapter 2 - IT Governance

2h 9m

IT Governance

Topic A: IT Governance

What is IT Governance?

Objectives of IT Governance

Tasks & Responsibilities for the ISM

Task vs. Knowledge Statements

Requirement One

Requirement Two

Requirement Three

Requirement Four

Requirement Five

Requirement Six

Requirement Seven

Requirement Eight

Topic B: Working with IT Governance

IS Governance

IS Governance

Importance of IS Governance

Outcomes of Security Governance

#1 Strategic Alignment

#2 Risk Management

#3 Value Delivery

#4 Resource Management

#5 Performance Measurement

#6 Integration

Effective Governance

Roles & Responsibilities of Senior Management

IS Manager
Who Does a CISO Report to?
Senior Management Support
Scope & Charter of Security Governance
Principles to Guide Implementation
Security Governance Metrics
Components of Security Metrics
Strategic Alignment
Strategic Alignment Indicators
Topic C: Risk Management
Risk Management
Indicators of Risk Management
Value Delivery
Resource Management
Performance Measurement
Assurance Process Convergence
IS Strategy Objectives
Setting Goals
Info Sec Strategy - Defining Objectives
The Desired State
The Desired State - Approaches
Approaches (Cont.)
Approaches (Cont.)
Risk Objectives
Determining Current State
IS Strategy
Strategy - Resources
Chapter 2 Review

Chapter 3 - Information Risk Management

1h 15m

Information Risk Management
Topic A: What is Risk Management
Definition
Objectives
Job Tasks & Responsibilities
Requirement One
Requirement Two
Requirement Three
Requirement Four
Requirement Five
Requirement Six
Topic B: Examining Risk Management
Risk Management Overview
Risk Management Overview
Roles & Responsibilities
IS Risk Management Concepts
IS Risk Management Concepts
IS Risk Management Concepts
Technologies
Implementing Risk Management

Implementing Risk Management
Categories of Threats
Risk Management Options
Risk Assessment
Controls & Countermeasures
Resource Valuation Resources
Chapter 3 Review

Chapter 4 - Security Program Management and Development

1h 42m

Security Program Management and Development
Topic A: What is a Security Program?
Job Tasks and Responsibilities
Task Statement One
Task Statement Two
Task Statement Three
Task Statement Four
Task Statement Five
Task Statement Six
Task Statement Seven
Task Statement Eight
Task Statement Nine
Task Statement Ten
Task Statement Eleven
Topic B: Developing a Security Program
Security Program Development Overview
Importance of Security Program Development
Outcomes of Security Program Development
Effective Security Program Development
Effective Security Program Development
InfoSec Program Development Technologies
Security Manager
Scope and Charter of Program Development
Assurance Function Integration
Anticipating Challenges (Pitfalls)
Security Program Development Objectives
Defining a Road Map
Developing a Security Program Road Map
Architecture and Design Review
Security Spot Check
Security Program Integration
Topic C: Role of Security Management
IS Management Overview
Importance of Security Management
Outcomes of Security Management
Board of Directors Responsibilities
Executive Management Responsibilities
Steering Committee Responsibilities
Information Technology Unit Responsibilities
Business Unit Managers Responsibilities
Human Resources Responsibilities

Legal Department Responsibilities
Measure Cost-Effectiveness
Chapter 4 Review

Chapter 5 - Incident Management and Response

1h 34m

Incident Management and Response
Topic A: Purpose of Incident Handling
Objective
Job Tasks and Responsibilities
IRT
Requirement One
Requirement Two
Requirement Three
Requirement Four
Requirement Five
Requirement Six
Requirement Seven
Requirement Eight
Requirement Nine
Requirement Ten
Topic B: Components of Incident Management
Importance of Incident Management
Importance of Incident Management
Result of Incident Management
Incident Management Concepts
Technologies
Scope and Charter
Assurance Function Integration
Information Security Manager
Incident Management Metrics
Effective Incident Management
Resource Management
Detailed Plan of Action for Incident Response
Challenges in Developing an IMP
Incident Management Resources
Roles and Responsibilities
Roles and Responsibilities (cont.)
Roles and Responsibilities (cont.)
IRT Team - Skills Needed
Awareness and Education
Audits
BIA
Outsourced Security Providers
Current State of Incident Response Capability
Developing an IRP
Chapter 5 Review

Total Duration: 7h