Certified Information Security Manager CISM, Part 3 of 4: Security Program Development

Meet the expert: As a certified Microsoft Instructor, Ken has focused his career on various security aspects of computer and network technology since the early 1980s. He has offered a wide variety of IT training and high level consulting projects for Fortune 500 companies globally. Through the course of his extensive career, he has taught a full line of Microsoft, CompTIA, Cisco, and other high level IT Security curricula.

Prerequisites: This is part 3 of the series

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Course description: This course covers how to plan, design, and implement an Information Security policy and to coordinate a set of activities, project and initiatives to implement the Information Security strategy. This course is part of a series covering the ISACA Certified Information Security Manager (CISM).

Course outline:

Develop Information Security Program
- Introduction
- The Importance of Security Programs
- Security Program Development Outcomes
- Effective Security Program Development
- Cross-Organizational Responsibilities
- Information Security Program Objectives
- Program Objectives
- Program Objectives Continued
- Defining Objectives
- Defining Objectives Continued
- Summary

Technology Resources
- Introduction
- Technology Resources
- Techology Resources Continued
- Information Security Manager
- Summary

Info Sec Management Scope and Charter
- Introduction
- Assurance Function Integration
- Program Development Challenges
- Other Pitfalls
- Implementation of Strategy
- Program Goals
- The Steps of the Security Program
- Defining the Roadmap
- Defining the Roadman Continued
- Elements of the Roadmap
- Elements of the Roadmap Continued
- General Controls
- Gap Analysis
- Summary

Info Sec Management Framework
- Introduction
- Info Sec Management Framework
- Security Management Framework
- COBIT 5
- ISO/IEC 27001
- Summary

Framework Concepts
- Introduction
- Info Sec Framework Components
- Operational Components
- Operational Components Continued
- Management Components
- Administrative Components
- Educational and Informational Components
- Summary

Program Resources Part 1
- Introduction
- Resource Examples
- Documentation
- Enterprise Architecture
- Enterprise Architecture Continued
- Controls
- Common Control Practices
- Common Control Practices Continued
- Countermeasures
- Technology Constraints
- Technologies Continued
- Summary

Program Resources Part 2
- Introduction
- Content Filtering
- Personnel Roles and Responsibilities
- Personnel Skills
- Security Awareness
- Awareness Training
- Formal Audits
- Compliance Enforcement
- Project Risk Analysis
- Verifying Compliance
- Other Sources of Information
- Program Budgeting
- Program Budgeting Continued
- Summary

Implementing an Info Sec Program
- Introduction
- Policy Compliance
- Standards
- Training and Education
- ISACA Control Objectives
- Third-Party Service Providers
- Third-Party Security
- Integrating Security into the Lifecyle Process
- Monitoring and Communication
- Documentation
- The Plan of Action
- Summary

Info Sec Architecture
- Introduction
- Managing Complexity
- Managing Complexity Continued
- Objectives of Information Security Architecture
- Physical Security
- Summary

Info Sec Program Metrics
- Introduction
- Info Sec Program Deployment Metrics
- Metrics Considerations
- Strategic Alignment
- Value Delivery
- Resource Management
- Assurance Process Integration
- Performance Measurement
- Security Baseline
- Summary

Info Sec Activities
- Introduction
- Security Activities Overview
- IS Liason Responsibilities
- IS Liason Responsibilities Continued
- Cross-Organizational Responsibilities
- Security Reviews and Audits
- Management of Security Technology
- Due Diligence
- Compliance Monitoring and Enforcement

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• Assessment of Risk and Impact
• Outsourcing and Service Providers
• Cloud Computing
• Cloud Computing Continued
• Integration with IT Processes
• Summary