

Certified Information Security Manager - CISM





<u>Certified Information Security</u> <u>Manager - CISM</u>

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Course Objective

- ➤ Use the knowledge gained in a practical manner beneficial to your organization.
- Establish and maintain an Information security governance framework to achieve your organization
- > goals and objectives.
- ➤ Manage Information risk to an acceptable level to meet the business and compliance requirements.
- Establish and maintain information security architectures (people, process, technology).
- ➤ Integrate information security requirements into contracts and activities of third parties/ suppliers.
- ➤ Plan, establish and manage the capability to detect, investigate, respond to and recover from information security incidents to minimize business impact.

Target Audience

➤ This course is designed specifically for information security professionals who are preparing to take the CISM exam.





Course Outline

Information Security Governance

- ➤ Establish and maintain an information security strategy, and align the strategy with corporate
- > governance.
- ➤ Establish and maintain an information security governance framework.
- Establish and maintain information security policies.
- ➤ Identify internal and external influences to the organization.
- ➤ Obtain management commitment.
- ➤ Define roles and responsibilities.
- Establish, monitor, evaluate, and report metrics.

Information Risk Management and Compliance

- ➤ Establish a process for information asset classification and ownership.
- ➤ Identify legal, regulatory, organizational, and other applicable requirements.
- ➤ Ensure that risk assessments, vulnerability assessments, and threat analyses are conducted periodically.
- ➤ Determine appropriate risk treatment options.
- > Evaluate information security controls.
- ➤ Identify the gap between current and desired risk levels.
- ➤ Integrate information risk management into business and IT processes.
- > Report noncompliance and other changes in information risk.

Information Security Program Development and Management

- > Establish and maintain the information security program.
- ➤ Ensure alignment between the information security program and other business functions.



- ➤ Identify, acquire, manage, and define requirements for internal and external resources.
- > Establish and maintain information security architectures.
- Establish, communicate, and maintain organizational information security standards, procedures, and guidelines.
- ➤ Establish and maintain a program for information security awareness and training.
- ➤ Integrate information security requirements into organizational processes.
- ➤ Integrate information security requirements into contracts and activities of third parties.
- Establish, monitor, and periodically report program management and operational metrics.

Information Security Incident Management

- ➤ Establish and maintain an organizational definition of, and severity hierarchy for, information
- > security incidents.
- > Establish and maintain an incident response plan.
- ➤ Develop and implement processes to ensure the timely identification of information security
- incidents.
- Establish and maintain processes to investigate and document information security incidents.
- ➤ Establish and maintain incident escalation and notification processes.
- ➤ Organize, train, and equip teams to effectively respond to information security incidents.
- > Test and review the incident response plan periodically.
- > Establish and maintain communication plans and processes.
- Conduct post-incident reviews.



Establish and maintain integration among the incident response plan, disaster recovery plan, and business continuity plan.

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