

FUNDAMENTALS OF CYBERSECURITY FOR GOVERNANCE

Dubai - UAE

10 - May 2026 - 14 - May 2026

\$5,800



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Introduction

In an era of increasing cyber threats, organizations must implement effective cybersecurity governance strategies. Cybersecurity governance ensures that policies, procedures, and frameworks align with business objectives while safeguarding critical assets. Understanding cybersecurity fundamentals is crucial for professionals involved in governance, risk management, and compliance.

Gentex Training Center presents the Fundamentals of Cybersecurity for Governance course, designed to provide participants with the essential knowledge to enhance their organization's security posture. This five-day program covers key cybersecurity principles, governance frameworks, risk management, and compliance regulations. Participants will gain practical insights into how cybersecurity decisions impact organizational resilience and operational success.

Fundamentals of Cybersecurity for Governance Course Objectives

- Understand the fundamental principles of cybersecurity and their significance in governance.
- Learn how to develop and implement cybersecurity policies aligned with industry best practices.
- Explore risk management frameworks to identify and mitigate cybersecurity risks effectively.
- Gain insights into regulatory requirements and compliance standards affecting organizations.
- Understand the role of leadership and organizational culture in cybersecurity governance.
- Analyze real-world cyber threats and learn strategies to prevent and respond to incidents.
- Develop skills to assess cybersecurity maturity and implement continuous improvement initiatives.

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- Explore emerging trends in cybersecurity and their impact on governance strategies.

Course Methodology

This course employs a practical and interactive approach that includes expert-led lectures, real-world case studies, group discussions, and hands-on exercises. Participants will engage in scenario-based activities that enhance their understanding of cybersecurity governance principles.

Who Should Take This Course?

- IT managers and professionals responsible for cybersecurity
- Governance, risk, and compliance officers
- Business executives seeking to strengthen their organization's cybersecurity framework
- Security analysts and auditors
- Legal and regulatory compliance professionals
- Individuals involved in risk management and strategic decision-making

Fundamentals of Cybersecurity for Governance Course Outlines

Day 1: Introduction to Cybersecurity Governance

- Overview of cybersecurity fundamentals
- Importance of governance in cybersecurity
- Cyber threats and attack vectors
- Key cybersecurity principles and best practices
- Understanding cybersecurity frameworks (ISO 27001, NIST, CIS)





Day 2: Risk Management in Cybersecurity

- Risk identification, assessment, and mitigation strategies
- Cyber risk management frameworks and methodologies
- Business impact analysis and risk prioritization
- Cybersecurity risk reporting and communication
- Case study: Applying risk management in cybersecurity governance

Day 3: Regulatory Compliance and Legal Considerations

- Overview of global cybersecurity laws and regulations
- GDPR, NIST, and other regulatory frameworks
- Compliance challenges and best practices
- Role of governance in regulatory adherence
- Implementing compliance programs effectively

Day 4: Incident Response and Business Continuity

- Cyber incident response planning and execution
- Business continuity and disaster recovery strategies
- Cyber resilience and crisis management
- Role of leadership in incident response
- Case study: Analyzing real-world cyber incidents

Day 5: Cybersecurity Strategy and Emerging Trends

- Developing a cybersecurity governance roadmap

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- Cybersecurity investment and budgeting considerations
- The role of emerging technologies in cybersecurity
- Continuous improvement and cybersecurity maturity models
- Final workshop and practical assessment

Conclusion

By successfully completing the Fundamentals of Cybersecurity for Governance course with Gentex Training Center, participants will gain the knowledge and skills required to strengthen cybersecurity governance within their organizations. This course provides a comprehensive understanding of risk management, regulatory compliance, incident response, and cybersecurity strategy, ensuring that professionals can make informed security decisions that enhance organizational resilience.

