APPLIED TECHNOLOGY ACADEMY

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Accredited ISACA Certified Information Systems Auditor (CISA) Training

ISACA Authorized Training · Applied Technology Academy

This course is designed to help candidates prepare for sitting the ISACA CISA certification examination. By taking this course and obtaining CISA certification, your experience and skills in auditing and securing the organization's information systems will be validated. Securing the organization's information is a critical business objective in today's business environment. The information that an organization depends on to be successful can be at risk from numerous sources. You will greatly contribute to the overall security of the organization, by effectively managing audit processes, controls, and other security aspects of the business.

LEVEL	DURATION	EXPERIENCE	AVERAGE SALARY	LABS
Advanced	**4 Days**	**5 years: IS audit, control or security**	**$145,240**	**No**

Course Outline

- **Lesson 1: The Process of Auditing Information Systems**
  - ISACA Information Systems Auditing Standards and Guidelines
  - Fundamental Business Processes
  - Develop and Implement an Information Systems Audit Strategy
  - Plan an Audit
  - Conduct an Audit
  - The Evidence Life Cycle
  - Communicate Issues, Risks, and Audit Results
  - Support the Implementation of Risk Management and Control Practices
- **Lesson 2: IT Governance and Management**
  - Evaluate the Effectiveness of IT Governance
  - Evaluate the IT Organizational Structure and HR Management
  - Evaluate the IT Strategy and Direction
  - Evaluate IT Policies, Standards, and Procedures
  - Evaluate the Effectiveness of Quality Management Systems
  - Evaluate IT Management and Monitoring of Controls
  - IT Resource Investment, Use, and Allocation Practices
  - Evaluate IT Contracting Strategies and Policies
  - Evaluate Risk Management Practices
  - Performance Monitoring and Assurance Practices

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  - Evaluate the Organization's Business Continuity Plan
- **Lesson 3: Information Systems Acquisition, Development, and Implementation**
  - Evaluate the Business Case for Change
  - Evaluate Project Management Frameworks and Governance Practices
  - Development Life Cycle Management
  - Perform Periodic Project Reviews
  - Evaluate Control Mechanisms for Systems
  - Evaluate Development and Testing Processes
  - Evaluate Implementation Readiness
  - Evaluate a System Migration
  - Perform a Post-Implementation System Review
- **Lesson 4: Information Systems Operations, Maintenance, and Support**
  - Perform Periodic System Reviews
  - Evaluate Service Level Management Practices
  - Evaluate Third-Party Management Practices
  - Evaluate Operations and End User Management Practices
  - Evaluate the Maintenance Process
  - Evaluate Data Administration Practices
  - Evaluate the Use of Capacity and Performance Monitoring Methods
  - Evaluate Change, Configuration, and Release Management Practices
  - Evaluate Problem and Incident Management Practices
  - Evaluate the Adequacy of Backup and Restore Provisions
- **Lesson 5: Protection of Information Assets**
  - Information Security Design
  - Encryption Basics
  - Evaluate the Functionality of the IT Infrastructure
  - Evaluate Network Infrastructure Security
  - Evaluate the Design, Implementation, and Monitoring of Logical Access Controls
  - Risks and Controls of Virtualization
  - Evaluate the Design, Implementation, and Monitoring of Data Classification Process
  - Evaluate the Design, Implementation, and Monitoring of Physical Access Controls
  - Evaluate the Design, Implementation, and Monitoring of Environmental Controls

Intended Audience

Designed for IT/IS auditors, control, assurance, and information security professionals.

Prerequisites

- Five (5) or more years of experience in IS/IT audit, control, assurance, or security.
- Experience waivers are available for a maximum of three (3) years.

Follow-On Courses

- Certified in Risk and Information Systems Control (CRISC)
- Certified Information Security Manager (CISM)
- Certified in Governance of Enterprise IT (CGEIT)

Course Objectives

Upon successful completion of this course, students will be able to:

Implement information systems audit services in accordance with information systems audit standards, guidelines, and best practices

- Evaluate an organizations structure, policies, accountability, mechanisms, and monitoring practices
- Evaluate information systems acquisition, development, and implementation

Evaluate the information systems operations, maintenance, and support of an organization, and evaluate the business continuity and disaster recovery processes used to provide assurance that in the event of a disruption, IT services are maintained.

Define the protection policies used to promote the confidentiality, integrity, and availability of information assets

Ready to enroll? Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.