



**AFRICAN ADVANCED LEVEL TELECOMMUNICATIONS INSTITUTE
(AFRALTI)**

CISA
**Certified Information
Systems Auditor**
2018
Course Information

Duration: 16 Weeks (Four Months)

Class Sessions: Saturdays

Time: 8.30am - 1.30pm

Venue: AFRALTI

The CISA designation is a globally recognized certification for IS audit control, assurance and information security professionals.

Being CISA-certified showcases your audit experience, skills and knowledge, and demonstrates you are capable to assess vulnerabilities, report on compliance and institute controls within the enterprise.

During this training you will undergo intensive training in all the CISA domains and acquire the knowledge, skills and best practices to successfully conduct a full external or internal information systems audit.

By the end of the programme you will have acquired sufficient knowledge to successfully complete the ISACA CISA exam, which gives you the status of a Certified Information Systems Auditor.

TARGET AUDIENCE AND PRE-REQUISITES:

Business and information systems management, audit, control and security professionals including the following:

- Information systems professionals aspiring to build a career in information systems auditing

- Internal and external auditors (both IT and financial)
- Information security professionals
- Finance/CPA professionals
- Risk management professionals
- Security managers / analysts
- Software Managers
- Infrastructure/Network Managers

The course is meant for IS and Business professionals specified in the target group as well as college graduates aspiring to become CISA certified.

COURSE DESCRIPTION:

Information technology, long considered as only an enabler of an organization's strategy, is now regarded as an integral part of this business strategy. Strategic alignment between Information Technology and enterprise objectives is one of the critical success factors. With the changing landscape concerning security, corporate governance, IT service delivery and systems reliability as well as regulatory requirements, the CISA course becomes vital for information technology line and senior managers.

The course moulds information technology professionals into complete and competent individuals. The course covers the following current five CISA domain areas:

1. The Process of Auditing Information Systems (21%)
2. Governance and Management of IT (16%)
3. Information Systems Acquisition, Development and Implementation (18%)
4. Information Systems Operations, Maintenance & Service Management (20%)
5. Protection of Information Assets (25%)

TRAINING METHODOLOGY

The course is delivered using a blended learning model of lectures, discussions, case studies, assessment and practical exercises using a highly-structured, learner-centered teaching methodology that ensures maximum learning. Helpful learning resources will be provided and access to the e-learning system.

COURSE OBJECTIVE:

The main objective of this course workshop is to provide a comprehensive understanding of Information Systems auditing. This course will equip participants with the knowledge and practical skills necessary to successfully perform a complete IS audit of any size of organization. This programme also adequately prepares the participant to successfully write the CISA certification exam.

COURSE OUTLINE

The following topics are presented and discussed to increase your understanding and abilities. CISA candidates are expected to have detailed understanding in each of these areas.

1. The Process of Auditing Information Systems

Provide audit services in accordance with IT audit standards to assist the organization with protecting and controlling information systems.

The auditing process covers IS auditing standards; Risk-based approach; Controls; Audit objectives, planning & scope; Cobit; Field Work; Identifying conditions & defining reportable findings; Review of work; Audit Results Communication;

2. Governance and Management of IT

Provide assurance that the necessary leadership and organizational structures and processes are in place to achieve objectives and to support the organization's strategy.

IT governance structure, IT organizational structure and HR management; Evaluating IT Strategies; Evaluating IT policies, standards & procedures; IT Resource Investment; Evaluating Risk-management, monitoring and assurance practices;

3. Information Systems Acquisition, Development and Implementation

Provide assurance that the practices for the acquisition, development, testing, and implementation of information systems meet the organization's strategies and objectives.

Evaluation approach, Project Management; Functional Requirements, Feasibility Analysis; System Design; System Development; System; Acquisition, Implementation, Post-Implementation;

4. Information Systems Operations, Maintenance and Support

Provide assurance that the processes for information systems operations, maintenance and support meet the organization's strategies and objectives.

Service Level Management; Evaluating Systems Software; Evaluating Hardware Acquisition & Installation; Evaluating network infrastructure (voice & data); Evaluating change, configuration and release management; Capacity and Performance monitoring tools & techniques; Data Administration practices; Problem & Incident management practices.

5. Protection of Information Assets

This module discusses the organization's security policies, standards, procedures and controls that ensure the confidentiality, integrity and availability of information assets.

- a) Evaluate the information security and privacy policies, standards and procedures for completeness, alignment with generally accepted practices and compliance with applicable external requirements.
- b) Evaluate the design, implementation, maintenance, monitoring and reporting of physical and environmental controls to determine whether information assets are adequately safeguarded.
- c) Evaluate the design, implementation, maintenance, monitoring and reporting of system and logical security controls to verify the confidentiality, integrity and availability of information.
- d) Evaluate the design, implementation and monitoring of the data classification processes and procedures for alignment with the organization's policies, standards, procedures and applicable external requirements.
- e) Evaluate the processes and procedures used to store, retrieve, transport and dispose of assets to determine whether information assets are adequately safeguarded.
- f) Evaluate the information security program to determine its effectiveness and alignment with the organization's strategies and objectives.

MORE INFORMATION

(A) CISA World-wide Recognition:

CISA is one of the most recognized IS/IT certifications in the world. The American National Standards Institute (ANSI) has accredited the CISA.

CISA is a 2017 SC Magazine Award Winner for Best Professional Certification Program. Foote Partners 2017 IT Skills and Certifications Pay Index™ ranked CISA among the top paying credentials. CISA was ranked among the top five in the 2015 IT Skills and Salary Survey conducted by Global Knowledge.

(B) CISA Exam Preparation

To help optimize your preparation for the CISA certification exam, ISACA offers several study materials which can be acquired directly from ISACA. The following resources are recommended:

- (I) CISA Review Manual 26th Edition—A comprehensive reference guide designed to help individuals prepare for the CISA exam and understand the roles and responsibilities of an information systems (IS) auditor.

- (II) CISA Review Questions, Answers & Explanations Manual 11th Edition—Consists of 1,000 multiple-choice study questions. These questions are not actual exam items but are intended to provide CISA candidates with an understanding of the type and structure of questions and content that have previously appeared on the exam.

(C) CISA Certification Exam

- Questions: 150
- Question type: MCSA (BEST answer)
- Pass mark: 450
- Appointment Duration: 4 Hours
- Location: PSI Centers (Nairobi, Nakuru, Mombasa)
- Test windows: 1 June-23 September 2018; 1 October 2018-24 January 2019
- Results: Immediate
- Testing facilities: 6 Days/Week, Morning or Afternoon
- Exam Reschedule: Free if done at least 48 hours prior to your scheduled appointment
- Deferrals: Once for a fee of USD200 (KSh 20,000)

(D) Exam Registration and Fee Details:

The information below is intended to give you guidance on CISA exam fee. The total exam fees calculated as follows:

Exam Registration:	USD 575
International membership fee:	USD 135
New Member Fee:	USD 10
Local ISACA Chapter Dues:	USD 40
Total	USD 760

Note that non-member fee is also **USD 760**. You should therefore consider the option of becoming ISACA member first and then register for the exam.

Please note the ISACA's Certified Information Systems Auditor® (CISA®) exam needs to be booked directly on the ISACA website. Upon successful completion of the exam you will be awarded Certified Information Systems Auditor® (CISA®) Status, more information is available from www.isaca.org/cisa.

Register Now!

FACILITATOR PROFILE

MR. STEPHEN GACHOGU, CISA

Mr. Stephen Gachogu holds a Master of Science degree in Information Systems from the University of Nairobi, Bachelor of Science degree in Computing and Information Systems from the University of Portsmouth, United Kingdom and a Diploma in Education and has over years experience in the ICT industry.

Mr. Gachogu is a certified Information Systems Auditor (Certificate Number: 18147184), Certified Ethical Hacker (CEH), and holds other active certifications in Cisco Certified Network Professional (CCNP), Cisco Certified Network Associate (CCNA), CCNA Security, Cisco Quality of Service Certified and is Cisco Networking Academy Instructor Trainer.

Mr. Gachogu has undergone extensive ICT training and undertaken a lot of research work on the design, implementation, and security of enterprise information systems. He holds certificates on Network Security, Wireless LANs and Security, WIMAX, VoIP, Backbone Routing, Internet Development Tools awarded by various institutions including USTTI-USA, IIT-Canada. He has attended other ICT courses in Kenya, South Africa, United Kingdom and the USA.

His area of specialization is in the design, implementation, and security of local and wide area enterprise IP networks utilizing multilayer switching and advanced routing technologies. He has expert knowledge of Information security assessment, Ethernet technology, Wireless LANs technologies, and TCP/IP protocol suite. Mr. Gachogu also specializes in assessment of information systems security.

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