

INFORMATION TECHNOLOGY

www.alphatech.ac.ke

PROSPECTUS
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About the Programme

Build the Digital Skills That Power the Modern World.

Information Technology is at the heart of every modern organization. From managing computer systems and networks to supporting cloud services and securing digital infrastructure, IT professionals play a critical role in keeping businesses connected, productive, and secure.

The Information Technology programme at AlphaTech Training Institute equips students with practical, industry-relevant skills in computer systems, networking, programming, cloud computing, and cybersecurity. Through hands-on laboratories, real-world projects, and exposure to modern technologies, graduates are prepared to support, manage, and innovate within today's fast-changing digital environment.

Why Study Information Technology?

- Develop practical technology skills that are in demand across every industry.
- Gain hands-on experience with modern computer systems, networks, and cloud technologies.
- Build a strong foundation for careers in IT, networking, cybersecurity, and software development.
- Learn through practical projects and real-world problem solving.
- Build a professional portfolio that demonstrates your technical abilities.
- Prepare for globally recognised IT certifications and career opportunities.
- Acquire versatile digital skills that can adapt to emerging technologies.



Who Should Enroll?

- This programme is ideal for:
- KCSE graduates passionate about design and creativity
- University students seeking practical design skills
- Career changers pursuing creative professions
- Working professionals looking to upskill
- Entrepreneurs interested in interior design and space planning

Qualification

1. Diploma in Information Technology

- **Duration:** 3 Academic Years (6 Semesters) + Internship
- **Award:** CDACC Diploma
- **Mode of study :** Full-time, Part-time, Weekend
- **Entry Requirements :** **KCSE Mean Grade C- and above (or equivalent)**

2. Certificate in Information Technology

- **Duration:** 1 Academic Year (3 Semesters)
- **Award:** CDACC
- **Mode of study :** Full-time, Part-time, Weekend
- **Entry Requirements :** **KCSE Mean Grade D, D+ (or equivalent)**





Career Opportunities

Graduates can work as:

- IT Support Specialist
- Information Technology Officer
- Systems Administrator
- Network Administrator
- Computer Technician
- Help Desk Technician
- Cloud Support Associate
- Technical Support Engineer
- IT Consultant
- Network Support Technician
- ICT Officer
- Junior Systems Analyst

Graduates may find employment in:

- Technology companies
- Government agencies
- Financial institutions
- Telecommunications companies
- Healthcare organizations
- Educational institutions
- Manufacturing companies
- Retail businesses
- NGOs
- Consulting firms
- Startups

Why AlphaTech?

Students choose AlphaTech because we offer:

- **Technology-Driven Learning:** Learn using modern digital design tools and industry-relevant technologies.
- **Practical Studio Experience:** Develop your skills through hands-on projects and real-world design challenges.
- **Industry-Relevant Curriculum:** Study a programme aligned with international professional standards.
- **Experienced Trainers:** Learn from qualified professionals with academic and industry expertise.
- **Portfolio Development:** Graduate with a professional portfolio that showcases your creativity and technical ability.
- **Career-Focused Education:** Develop the practical competencies employers and clients expect from today's interior designers.



What You'll Learn

1. Computer Systems

Build a strong foundation in computer hardware, operating systems, and digital technologies that support modern organizations.

You'll develop skills in:

- Computer hardware installation
- Operating systems
- System configuration
- Computer maintenance
- Troubleshooting techniques
- IT infrastructure fundamentals

2. Networking

Learn how computers communicate securely and efficiently across local and global networks.

You'll develop skills in:

- Network design
- TCP/IP networking
- Routing and switching
- Wireless networking
- Network security
- Network troubleshooting

3. Programming

Develop programming skills that enable you to automate tasks, build applications, and solve technical problems.

You'll develop skills in:

- Programming logic
- Python programming
- Web programming fundamentals
- Algorithms
- Problem-solving
- Software development basics

4. Cloud Computing

Explore cloud technologies that enable organizations to store, manage, and access data and applications securely.

You'll develop skills in:

- Cloud computing fundamentals
- Cloud services
- Virtualization
- Cloud deployment
- Identity and access management
- Cloud security basics



5. Cybersecurity Basics

Understand how to protect computer systems, networks, and digital information from cyber threats.

You'll develop skills in:

- Information security principles
- Cyber threat awareness
- Data protection
- Security best practices
- Risk management
- Safe computing practices

6. IT Support Projects

Apply your knowledge through practical projects that simulate real workplace IT environments.

You'll develop skills in:

- Technical support
- Systems implementation
- Network setup
- Team collaboration
- Professional documentation
- Portfolio development

Learning Experience

Students learn through:

- Live practical laboratory sessions
- Hands-on computer workshops
- Networking simulations
- Real-world IT projects
- Industry case studies
- Practical troubleshooting exercises
- Collaborative team projects
- Portfolio development
- Capstone IT project
- Industrial attachment opportunities
- Career coaching and mentorship
- Industry guest lectures



Contact Us



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