



SCHOOL OF  
INFORMATICS  
& TECHNOLOGY

Expand Your Horizon  
**PAVE THE WAY**  
**FOR**  
**THE FUTURE**

ADMISSIONS  
**open** SEPTEMBER  
JANUARY  
MAY



# OUR HISTORY

IUK was founded in the early 2000s by ITED (International Trust for Education) to offer Islamic and Arabic language courses. Due to the demand for affordable, quality education, IUK expanded into a university offering diverse degree programs.

As a pioneering institution in Kenya, IUK emphasizes inclusivity, particularly for marginalized communities. In 2016, we received interim accreditation for Bachelor of Education (Arts) and Bachelor of Business Management, and in 2020, we added programs in Islamic Sharia and Arabic Language.

IUK is now expanding into fields like Law, IT, and Medicine, and is forming partnerships with global universities. Committed to research and innovation, we prepare students to meet today's challenges and the needs of tomorrow.





## ***OUR MISSION***

To produce leaders with scientific and academic excellence who are able to contribute to building societies in urban and rural areas with values of compassion, love and mercy.

## ***OUR VISION***

To be recognized as a leading center in creating community leaders who are scientifically and academically endowed to positively influence society and in so doing, provide leaderships in peace and love of humanity.

## ***OUR CORE VALUES***

- Professionalism
- Moral uprightness
- Integrity
- Self-discipline
- Transparency
- Obedience to work and duty



## Modes of Study:

- ODeL (Online & Distance e-Learning)
- Physical
- Weekend Classes

## Duration of Study:

**Bachelor Degree:** Eight (8) Semesters

## Degree Program

Bachelor of Science in Information Technology (BSIT)

## Specializations, Diplomas & Certificates:

(Direct Pathway to the BSIT)

- Cyber Security
- Cloud Enterprise Systems
- Artificial Intelligence
- Data Analytics

**BSIT**  
SEMESTER FEE:  
**Ksh 60,000**



## Entry Requirements for Diploma:

KCSE Grade C- & Above

**75%** Merit  
**Scholarship**  
(B Grade & Above in KCSE or Equivalent)

Enjoy a Hassle-Free Study  
Experience with Our

- **Del Campus**  
Online Distance eLearning  
Or Experience the Campus Vibe with Our
- **Physical**  
On Campus Classes

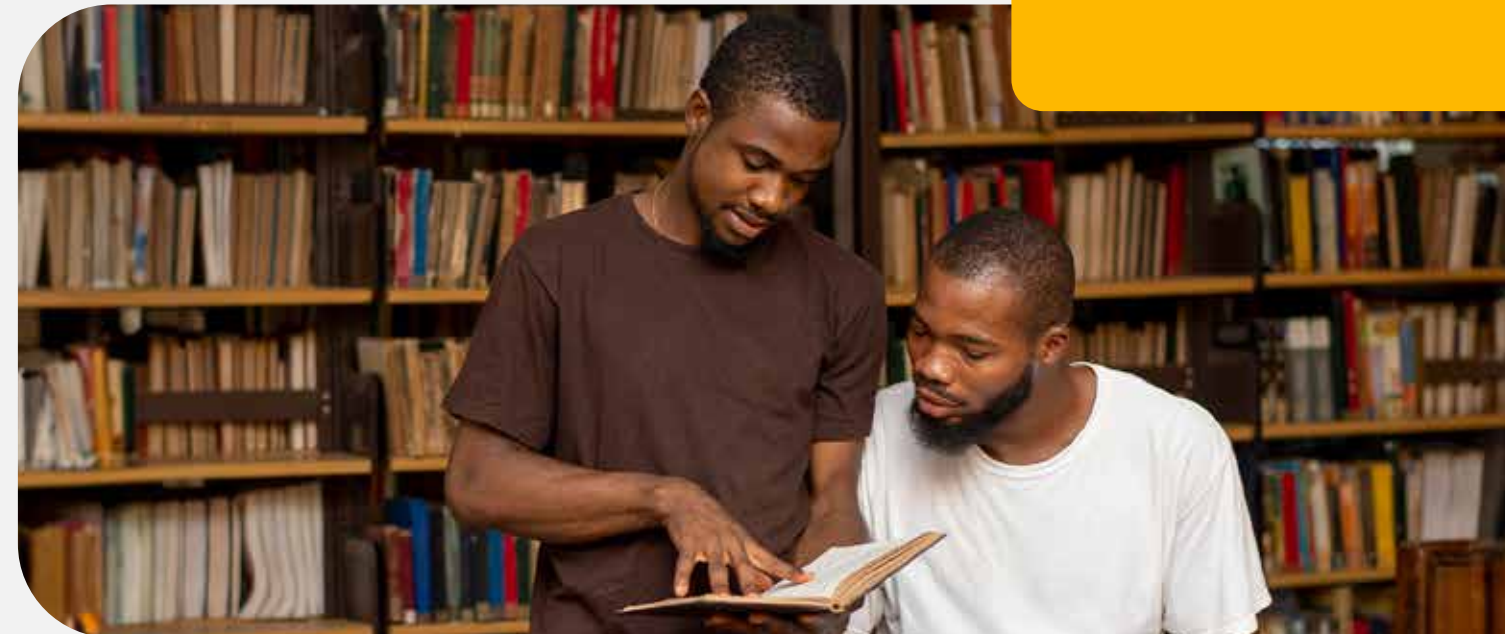


**BSIT AT IUK  
POWERED BY**



EdX is an online learning platform that offers Massive Open Online Courses (MOOCs) from top universities & institutions around the world

Partnering with  
250 of the world's leading  
learning institutions



BSIT AT IUK POWERED BY



## COURSE LIBRARY

High quality, stackable learning

## COURSES

Learners are able to consume as many or as few courses as is needed

## PROFESSIONAL CERTIFICATES

Certificate programmes offering career-specific learning to build and enhance critical skills needed to succeed in today's most in-demand job roles.

### How edX Adds Value to IUK's BSIT Curriculum

#### Core courses:

➤ Data Analytics

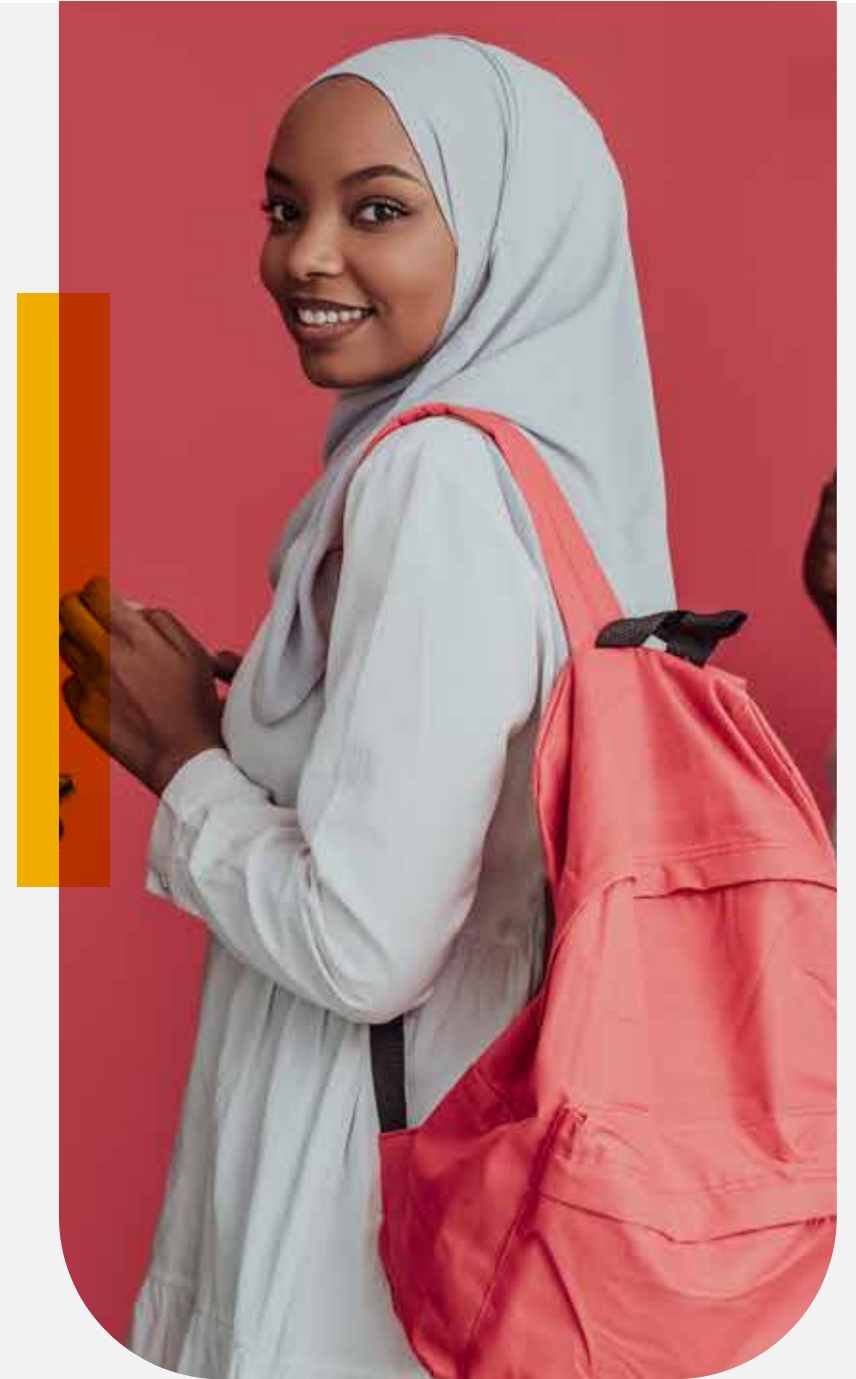
Supplementary edX courses as electives:

#### Introduction to Data Science with Python

by Harvard University  HARVARD UNIVERSITY

#### Introduction to Data Science

by IBM 



# Job Prospects for BSIT Graduates

## Scope of Bachelor of Science in Information Technology (BSIT)

The BSIT program at Islamic University of Kenya equips students with a strong foundation in IT systems, software development, network management, cybersecurity, and data analytics, blending theoretical knowledge with practical skills for success in the dynamic IT field.



Graduates of the BSIT program can pursue a wide range of career opportunities, including:

### Software Engineer:

Crafting and refining the blueprint of software solutions, ensuring robust performance across platforms.

### Network Security Specialist:

Securing and optimizing organizational networks to ensure seamless and safe data flow.

### AI Innovation Specialist:

Designing cutting-edge AI solutions to drive efficiency and innovation in business operations.

### Cyber Defense Strategist:

Developing proactive strategies to safeguard critical data and systems against emerging cyber threats.

### Data Science Expert:

Transforming complex datasets into actionable insights to drive strategic decision-making.

### Technical Support Engineer:

Delivering hands-on technical solutions and support for diverse IT challenges.

### Digital Solutions Developer:

Building and maintaining dynamic websites and web applications tailored to user needs.

### Cloud Infrastructure Designer:

Engineering scalable and efficient cloud solutions to empower business growth.

### IT Program Manager:

Steering IT projects from concept to completion, ensuring alignment with business goals.



# Goals of the BSIT Program:

## Technical Excellence:

Provide students with a strong foundation in Information Technology, ensuring they master essential technical skills and keep abreast of industry trends.

## Leadership in Community Impact:

Develop leaders who understand the societal implications of technology and can harness IT innovations to promote peace, compassion, and love in diverse community settings.

## Ethical and Compassionate Leadership:

Instill values of compassion, love, and mercy alongside technical proficiency, preparing graduates to lead with integrity and empathy in their professional endeavors.

## Global Citizenship:

Foster a global perspective among students, encouraging them to apply their IT knowledge to address local and global challenges, thereby contributing positively to humanity.

## Continuous Learning and Adaptability:

Equip graduates with the skills and mindset for lifelong learning and adaptation to technological advancements, ensuring their relevance and impact in a rapidly evolving IT landscape.

**These elements collectively shape the BSIT program, aiming to produce graduates who not only excel in their technical field but also embody the values necessary for building inclusive and compassionate societies**



# Suggested Semester/Study Plan for BSIT

#	Code	Pre Reqs	Course Title	Domain	Cr Hr	Contact Hour
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## Semester 1

1	CSC111		Programming Fundamentals	Computing Core	4 (3-3)	90
2	GER112		Computer Studies	GER	3 (2-3)	75
3	GER113		Communication Skills	GER	3 (3-0)	45
4	MTH114		Calculus and Analytical Geometry	Maths	3 (3-0)	45
5	CSC115		Domain Core 1 (Social and Ethical Issues in Computing)	Domain Core	3 (3-0)	45
6	CSC116		Digital Logic Design	Core	3 (2-3)	75
<b>Total Cr Hrs</b>					<b>19 (16-6)</b>	<b>375</b>

## Semester 2

7	CSC121	PF	Object Oriented Programming	Computing Core	4 (3-3)	90
8	CSC122		Database Systems	Computing Core	3 (2-3)	75
9	GER123		HIV AIDs and Drugs	GER	3 (3-0)	45
10	MTH124	CAG	Multivariable Calculus	Maths	3 (3-0)	45
11	MTH125	CAG	Linear Algebra	Maths	3 (3-0)	45
12	GER126		Development Studies	GER	3 (3-0)	45
13	GER127		Technical & Business Writing	EW	3 (3-0)	45
<b>Total Cr Hrs</b>					<b>22 (20-6)</b>	<b>390</b>

#	Code	Pre Reqs	Course Title	Domain	Cr Hr	Contact Hour
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### Semester 3

14	CSC231	OOP	Data Structures	Computing Core	3 (2-3)	75
15	CSC232		Information Security	Computing Core	3 (2-3)	75
16	CSC233		Artificial Intelligence	Computing Core	3 (2-3)	75
17	CSC234		Computer Networks	Computing Core	3 (2-3)	75
18	CSC235		Software Engineering	Computing Core	3 (3-0)	45
19	MTH236		Probability & Statistics	Maths	3 (3-0)	45
<b>Total Cr Hrs</b>					<b>18 (14-12)</b>	<b>390</b>

### Semester 4

20	CSC241	DLD	Computer Organization & Assembly Language	Computing Core	3 (2-3)	75
21	CSC242		Domain Core 2 (Web Technologies)	Domain Core	3 (2-3)	75
22	CSC243		Domain Core 3 (Cyber Security)	Domain Core	3 (2-3)	75
23	GER244		Entrepreneurship	GER	3 (3-0)	45
24	CSC245		Domain Core 4 (Information Technology Auditing)	Domain Core	3 (3-0)	45
25	CSC246		Domain Core 5 (Information Technology Infrastructure)	Domain Core	3 (3-0)	45
<b>Total Cr Hrs</b>					<b>18 (15-9)</b>	<b>360</b>

#	Code	Pre Reqs	Course Title	Domain	Cr Hr	Contact Hour
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### Semester 5

26	CSC351		Operating Systems	Computing Core	3 (2-3)	75
27	CSC352		Domain Core 6 (DB Administration & Management)	Domain Core	3 (2-3)	75
28	CSC353		Domain Core 7 (System & Network Administration)	Domain Core	3 (2-3)	75
29	CSC354		Domain Elective 1 (Virtual Systems & Services)	Domain Elective	3 (2-3)	75
30	CSC355		Domain Elective 2 (Computer Architecture)	Domain Elective	3 (2-3)	75
				Total Cr Hrs	15 (10-15)	375

### Semester 6

31	CSC361		Domain Elective 3 (Network Security)	Domain Elective	3 (2-3)	75
32	CSC362		Domain Elective 4 (Enterprise Systems)	Domain Elective	3 (2-3)	75
33	CSC363		Domain Elective 5 (Web Engineering)	Domain Elective	3 (2-3)	75
34	CSC364		Domain Elective 6 (Theory of Automata)	Domain Elective	3 (2-3)	75
35	CSC365		Domain Core 8 (Systems Analysis and Design)	Domain Core	3 (3-0)	45
			Industrial Attachment	Computing Core		
				Total Cr Hrs	15 (11-12)	345

#	Code	Pre Reqs	Course Title	Domain	Cr Hr	Contact Hour
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### Semester 7

36	CSC471		Final Year Project – I	Computing Core	2 (0-6)	90
37	CSC472	DS	Analysis of Algorithms	Computing Core	3 (3-0)	45
38	CSC473		Domain Elective 7 7 (HCI & Computer Graphics)	Domain Elective	3 (2-3)	75
39	SSC474		Elective Supporting Course (Example: Introduction to Marketing)	SS	3 (3-0)	45
40	CSC475		Domain Core 9 (Software Project Management)	Domain Core	3 (2-3)	75
41	CSC476		Domain Core 10 (Legal Framework of ICTs)	Domain Core	3 (3-0)	45
<b>Total Cr Hrs</b>					<b>17 (13-12)</b>	<b>375</b>

### Semester 8

42	CSC481	FYP-I	Final Year Project – II	Computing Core	2 (0-6)	90
43	CSC482		Domain Core 11 (Information Management)	Domain Core	3 (3-0)	45
44	CSC483		Domain Elective 8 (Parallel & Distributed Computing)	Domain Elective	3 (2-3)	75
45	CSC484		Domain Core 12 (Geographic Information Systems)	Domain Core	3 (3-0)	45
46	CSC485		Domain Core 13 (Information System Strategy)		3 (3-0)	45
<b>Total Cr Hrs</b>					<b>14 (11-9)</b>	<b>300</b>
<b>Degree Contact Hours</b>						<b>2910</b>



Chat with the Dean  
**0708 827 969**



## OUR CAMPUSES

Kisaju: Main Campus

South C: Nairobi Campus

 **+254 707267957**

 **+254 716 333 222**



bitly



**Enroll Now**