

BSc. Information & Communication Technology

The BSc Information Communication Technology is a four-year programme which aims to equip graduates with a strong and broad technical skills and knowledge to take on appropriate positions in industry, and to grow into leadership positions or to pursue research or graduate studies in the IT field.

By the end of the programme, graduates should be able to:

- Explain and apply appropriate information technologies and employ appropriate methodologies to help an individual or organization achieve its goals;
- Anticipate the changing direction of information technology and evaluate and communicate the implications of these changes to an individual or organisation; and live and work as contributing, well rounded, members of society.

ADMISSION REQUIREMENTS

SSSCE: Aggregate score of 24 or better. Credit passes (A-D) in 6 Subjects including Core Mathematics, Core Science & English.

WASSCE: Aggregate score of 24 or better. Credit Passes (A1-C6) in 6 Subjects including Core Mathematics, Core Science & English.

GCE A' Level: Aggregate 12 or better with a pass of D or better in Physics or Mathematics.

Diplomas/Certificates from local and foreign institutions authenticated by the National Accreditation Board (NAB).

Mature Students must be at least 25 years at the time of applying and must write a qualifying exam and score an average of 50% in it. They must also have relevant working experience plus credit passes in Mathematics and English.

HND holders in relevant disciplines may be admitted to Level 200.

Certificate in Information and Communication Technology from GIMPA with an average score of not less than 55%. They must equally satisfy the requirements above for entering a tertiary institution

COURSES OFFERED

Level 100

CODE	COURSE	CODE	COURSE
GBUS 102	Economic Science	GBUS 201	Accounting Foundations
GSOT 105	Fundamentals of Computing	GSOT 106	Object-Oriented Programming I
GBUS 101	Communication Skills I	GSOT 102	Calculus II
GSOT 101	Calculus I	GBUS 202	Communication Skills II
GSOT 103	Programming Fundamentals	GBUS 101	Reading Seminar in Humanities

Level 200

GSOT 205	Object oriented-Programming II	GSOT 208	Linear Algebra
GSOT 203	System Analysis and Design	GSOT 202	Web technologies
GSOT 201	Discrete Mathematics	GSOT 204	Probabilities & Statistics
GSOT 207	Computer Org. & Architecture	ICTE 201	Database Design I
GBUS 205	Management and Org. Behaviour	GSOT 210	Electronic Circuits

Level 300

ICTE 301	IT Research Methods	GSOT 305	Software Engineering
ICTE 305	Database Design II	ICTE 303	IT Project Management
GSOT 305	Data Communication & Networks	GSOT 302	Human Computer Interaction
GSOT 301	Mobile Programming	GSOT 306	Advanced Data Communication & Networks
GSOT 303	Operating Systems	ICTE 304	Systems Administration

Level 400

GSOT 403	Ethical & Legal Issues in Computing	ICTE 402	Electronic Business
GSOT401	Management Info. Systems	GSOT 404	Computer & Information Security
GSOT 406	Project 1 Elective Course I Elective Course 2	ICTE 406	Project II Elective Course 3 Elective Course 4

Electives

GSOT 420 Wireless Networks
 GSOT 430 Data Warehousing and Mining
 ICTE 410 Information Technology Auditing
 ICTE 420 Advanced Database Design