

MSc. Information & Communication Technology

This programme is primarily informed by ICT knowledge generation and application (skills). It takes a scientific approach to the study of ICT and is therefore guided principally by the understanding and application of theory.

Thus, the programme aims to equip students to:

1. to equip students with scientific knowledge for analytical thinking in ICT development and management
2. to produce professionals that are able
 - i. to engage in systematic thinking about the relationship between ICT and social systems, and
 - ii. to suggest innovative solutions.
3. to produce ICT academics and professionals required at various levels of the social, economic and industrial development of Ghana and elsewhere.
4. to prepare students for advanced research and dissemination of knowledge at the PhD level.

ADMISSION REQUIREMENTS

Applicants must have a minimum of 2nd Class Lower degree in ICT, Computer Science or ICT related discipline from an accredited university.

A formal interview may be used to determine the ability of all applicants to take and pass courses of the programme.

COURSES OFFERED

The table below is a summary of the titles of all courses within the programme. All the courses have 3 credits except the MSc Project which has 6 credits.

First Year

CODE	COURSE	CODE	COURSE
ICTE701	Computer Systems	ICTE706	Decision Support Systems
ICTE702	Advanced Data Communication & Computer Networks	ICTE707	Wireless Network Architecture & Design
ICTE703	Research Methods	ICTE708	Software Engineering
ICTE704	Professional Issues in ICT		

Second Year

ICTE709	ICT Project Management	ICTE712	Organisational Study of IS
ICTE710	Information and Network Security		Elective 1
ICTE 700	Dissertation		

IS Electives (4 credits each)

SOT712A: IS in Public Administration (E-Government)

SOT719A: E-Business

SOT716A: Artificial Intelligence Applications