

1.0 Name of the Programme: M.Sc Information Technology

Programme Code: 5401

1. Entry Requirements

To be admitted for the M.Sc Information Technology programme, a candidate is expected to:

1. i) Have a minimum of second class (lower division) of a first degree in science-based disciplines such as Mathematics, Computer Science, Physics, Electronics/Electrical and related engineering;

OR

1. 1. Have a good Postgraduate Diploma (PGD) in Computer Science or Information Technology

3.0 Aims and Objectives

The M.Sc Information Technology programme focuses on the latest technological trends in Information and Communication Technology with major emphasis on Internet technologies.

3.1 Aims

The M.Sc Information Technology programme aims at admitting research-oriented graduates of Computer Science and Information Technology into the high echelon of IT professionalism. The programme is expected to exploit all the web-based resources at NOUN to guide students into ground breaking research areas towards concluding their periods of study with an international thesis by each student

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3.2 Objectives

The M.Sc Information Technology programme is designed mainly to make the students be up-to-date with emerging developments in IT profession. Thus, at the end of the programme, graduates should be able to:

- design a one-stop website model for high class conglomerate establishments;
- demonstrate advanced programming skills in various modern programming tools;
- manage very large web-based information systems; and
- confidently administer large networks and manage large database systems.

1. 1. Programme Structure and Degree Rules

Duration of the Programme

Students pursuing M.Sc programme in Information Technology must complete at least 35 credits to satisfy the University's regulations.

15 Credits from table 1 (first semester course)

20 Credits from table 2 (second semester courses)

The core courses listed in Table 1 are designed to provide students with an in-depth knowledge of Information Technology.

The courses listed in Table 2 allow students to broaden their knowledge and skills, hence assisting them to operate more effectively.

4.1 Outline of Course Structure

The M. Sc Information Technology programme is structured into 2 semesters as shown below

Course Code	Course Titles	Unit(s)	Status
1st Semester			
GST807	A Study Guide for the Distance Learner	2	C
CIT 843	Introduction to Database Management Systems	2	C
CIT 831	Software Engineering Methodologies	3	C
CIT 841	Advanced Information Storage and Retrieval	2	E
CIT 811	User Interface Design and Ergonomics	3	E
CIT 853	Internet concepts and Web Design	2	C
CIT 891	Advanced Multimedia Technology	3	E
CIT 851	Advanced Systems Analysis and Design	3	C
Total Credit Units		20	
2nd Semester			
CIT 802	Technical Report Writing	3	C
CIT 832	Operating Systems Concepts and Networking	2	E
	Management		
CIT 854	Network Design and Programming	3	C
CIT 844	Advanced Database Management Systems	2	E
CIT 852	Data Communication and Networks	3	C
CIT 834	Object-oriented Programming using C#	3	C
CIT 899	Research Project	6	C
Total Credit Units		22	

All PG Students are required to obtain minimum of 35 credit units