

Electives: (At least 2 Elective Courses)		
BIT 2103	Event Driven Programming	3
BIT 2104	Object Oriented Programming	3
BIT 2105	Electronic Media Systems and Multimedia	3
BIT 2106	Scripting Languages	3
Year II: Semester II: (4 Core Courses)		
CSC 2202	Systems Analysis and Design	4
CSC 2203	Database Languages	4
CSC 2204	Research Design and Implementation	2
BIT 2201	Marketing in the IT Sector	3
Electives (At least 1 Elective Course)		
BIT 2200	Electronic Commerce II	4
BIT 2202	Client -Server Programming for Applications	4
BIT 2203	Systems Security	4
BIT 2204	Networking Technologies	4
Year II: Recess Term:		
BIT 2301	Industrial Training	4
CSC 2302	CCNA Semester III and IV (Audited Course)	-
Year III: Semester I (4 Core Courses)		

CSC 3100	Database Management Systems	4
BIT 3100	Dynamic Website and Internet Technology	3
BIT 3101	Information Technology Project Management	3
BIT 3103	Strategic Management	3
Electives: (At least 1 Elective Course)		
CSC 3101	Software Engineering	4
CSC 3103	User Interface Design	4
CSC 3105	Computer Graphics	4
Year III Semester II (3 Core Courses)		
CSC 3200	Computer Networks and Data Communication	4
BIT 3200	Business Intelligence and Data Warehousing	4
BIT 3201	BIT Project	4
Electives: (At least 1 Elective Course)		
BIT 3202	Network Computing	4
BIT 3203	Mobile Networks and Computing	4
BIT 3204	Enterprise Network Management	4
BIT 3205	Database (DB) Programming	4

BACHELOR OF INFORMATION SYSTEMS

The primary objective of the Bachelor of Information Systems (BIS) degree program is to train students as information systems specialists in a business organisation context. The business subjects provide business practice framework for information systems development, whilst the information technology subjects provide the knowledge and technical skills required to build business information systems. The BIS programme aims to provide students with the concepts, analytical and developmental skills required for the information systems that underpin business computer systems and electronic commerce. The core units provide a foundation in the information systems areas of programming, system design, database, and project management.

BIS 1100	Foundations of Information Systems	3
BIS 1101	Communication for Information Systems Managers	3

BIS 1102	Business Statistics	3
CSC 1100	Computer Literacy	4
BIT 1100	Website Development & Internet Technology	3
CSK 1101	Communication Skills	4
Electives:- (No Elective Course)		
Year 1: Semester 2: Cores:- (5 Core Courses)		
BIS 1200	Information Systems in Business	3
BIS 1201	Distributed Information Systems	4
CSC 1200	Programming Methodology	4
CSC 1204	Research Methodology	4
BIT 1200	Information Technology	3
Electives :- (No Elective Course)		
Year 1: Recess Term:		
CSC 1302	CCNA Semester I and II(Audited Course) -	-

Year 2: Semester 1:		
Cores:- (4 Core Courses)		
BIS 2100	Information Systems Security	4
BIT 2100	Information Systems Development	4
BIT 2101	Information Systems Management	3
BIT 2102	Electronic Commerce	4
Electives	:- (1 Elective Course)	
BIS 2102	Knowledge-based Systems	3
BIT 2105	Electronic Media Systems and Media	3
Year 2: Semester 2:		
Cores:- (4 Core Courses)		
BIS 2200	Intelligent Systems	4
CSC 2202	Systems Analysis and Design	4
CSC2203	Database Languages	4
CSC 2204	Research Design and Implementation	
Electives :-	(1 Elective Course)	
BIS 2201	Executive Information Systems	4
BIS 2202	Selected Topics in Information Systems	4
CSC 2200	Operating Systems	4
Year 2: Recess Term:		
BIS 2301	Industrial Training	4

CSC 2302	CCNA Semester III and IV (Audited Course)	
Year 3: Semester 1:		
Cores:- (4 Core Courses)		
BIS 3100	Modeling and Simulation	4
BIS 3101	Requirements Engineering for Organizational Systems	
BIS 3102	Human Computer Interaction	3
CSC 3107	Database Systems	4
Electives :-	(1 Elective Course)	
CSC 3101	Software Engineering	4
CSC 3103	User Interface Design	4
Year 3: Semester 2:		
Cores:- (4 Core Courses)		
BIS 3200	Project in Information Systems	4
BIS 3201	Strategic Management of Information Systems	3
BIS 3203	E-Governance	4
CSC 3209	Computer Networks	4
Electives :- (1 Elective)		
BIT 3204	Enterprise Network Management	4
BIT 3205	Database (DB Programming)	4

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

This programme offers a course of study leading to the B.Sc. in Software Engineering. The objectives of the B.Sc. in Software Engineering programme are: -

- i. To produce graduates who are well-educated in the fundamental concepts of software engineering and able to continue their professional development throughout their careers. The course combines theory with consideration of its application in software engineering practice.
- ii. To build human resource capacity in the Software engineering discipline in both the public and private sectors to students who wish to become proficient in developing software in a variety of languages, platforms and applications using a methodical approach.
- iii. To produce graduates with good communication skills capable of

functioning responsibly in diverse environments and able to work in teams.

- iv. To produce graduates who are innovative and are capable of creating jobs;

Codes	Course Description	CU
Year 1: Semester 1:		
Cores:- (6 Core Courses)		
CSK 1101	Communication Skills	3
CSC 1100	Computer Literacy	4
BIT 1102	Communication Technology and Internet	4
BSE 1103	System Analysis And Design	3
BSE 1104	Discrete Mathematics	3
BSE 1105	Business Law	3