

Year I Recess Term		
CSC 1301	Practical Skills Development	4
CSC 1302	CCNA Semester I and II (Audited)	-
Year II: Semester I (4 Core Courses)		
CSC 2100	Data Structures and Algorithms	4
CSC 2101	Computer Programming	4
CSC 2102	Systems Programming	4
CSC 2103	Numerical Methods	4
Electives: (1 Elective Course)		
CSC 2104	Complexity and Computability	3
CSC 2105	Information Technology & Society	3
CSC 2106	Cryptology and Coding Theory	3
Year II: Semester II (5 Core Courses)		
CSC 2200	Operating Systems	4
CSC 2201	Computer Architecture	3
CSC 2202	Systems Analysis and Design	4
CSC 2203	Database Languages	4
CSC 2204	Research Design & Implementation	2
Electives: (1 Elective Course)		
CSC 2205	Principles of Languages Programming	3
CSC 2206	Artificial Intelligence	3
CSC 2207	Parallel Algorithms	4
CSC 2208	Selected Topics in Computer Science I	3

Year II: Recess Term		
CSC 2301	Industrial Training	4
CSC 2302	CCNA Semester III and IV (Audited)	-
Year III: Semester I (3 Core Courses)		
CSC 3100	Database Management Systems	4
CSC 3101	Software Engineering	4
CSC 3102	Modeling and Optimisation	4
CSC 3106	Distributed Systems development	4
Electives: (2 Elective Courses)		
CSC 3103	User Interface Design	4
CSC 3104	Program Translation	4
CSC 3105	Computer Graphics	4
CSC 3107	Database Systems	4
CSC 3108	E-Commerce	4
CSC 3109	Computer Networks	4
Year III: Semester II (3 Core Courses)		
CSC 3200	Computer Networks and Data Communication	4
CSC 3201	B.Sc.CSC. Project	4
BIT 3204	Enterprise Network Management	4
Electives: (1 Elective Course)		
CSC 3202	Concepts of CAD/CAM	3
CSC 3203	Numerical Analysis	3
CSC 3204	Selected Topics in Computer Science II	3
BIT 3200	Business Intelligence and Data Warehousing	4

BACHELOR OF INFORMATION TECHNOLOGY (BITE)

Year I: Semester I (6 Core Courses)			CU
CSK 1101	Communication Skills	4	
CSC 1100	Computer Literacy	4	
BIT 1100	Website Development & Internet Technology	3	
BIT 1101	Business Communication & Report Writing	3	
BIT 1102	Communications Technology & the Internet	3	
BIT 1103	Basic Management Skills	3	
Year I: Semester II (6 Core Courses)			
CSC 1202	Principles of Programming	4	
CSC 1203	Information Systems	3	
BIT 1200	Information Technology	3	

BIT 1201	System Administration	3
BIT 1202	Entrepreneurship and Business	3
BIT 1203	Business Applications Programming	4
Electives: (No Elective Course)		
Year I: Recess Term:		
BIT 1301	Practical Skills Development	4
CSC 1302	CCNA Semester I and II (Audited Course)	-
Year II: Semester I: (3 Core Courses)		
BIT 2100	Information Systems Development	4
BIT 2101	Information Systems Management	3
BIT 2102	Electronic Commerce I	4

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) -	-