

DCS 1200	Fundamentals of Data Structures & Algorithms	4
DCS 1204	Fundamentals of Database Systems	4
DCS 1202	Fundamentals of Systems Analysis and Design	4
Year II: Semester I (3 Core Courses)		
BIT 1101	Business Communication & Report Writing	3
BIT 1102	Communications Technology & the Internet	3
BIT 1103	Basic Management Skills	3
Electives: (2 Elective Courses)		
CSC 1101	Computers	3
CSC 1102	Computational Mathematics I	4
CSC 1103	Solution Methods in Optimization	4
DCS 2102	Basics of Web Applications Engineering	4
DCS 2101	Fundamentals of Software System Design	4
Year II: Semester II (3 Core Courses)		
BIT 1201	System Administration	3
BIT 1202	Entrepreneurship and Business	3
BIT 1203	Business Applications Programming	4
Electives: (2 Elective Courses)		
CSC 1200	Programming Methodology	4
CSC 1201	Computational Mathematics II	4
CSC 1204	Research Methodology	4
DCS 2200	Fundamentals of Software Project Management	4
DCS 2201	Fundamentals of Computer Networks and Applications	4
Year II: Recess Term		
BIT 1301	Practical Skills Development	4
CSC 1302	CCNA Semester I and II(Audited Course)	-

2. Diploma in Computer Science (DCSC)

Year I: Semester I (4 Core Courses)		CU
CSK 1101	Communication Skills	4
DCS 1100	Introduction to Computer Fundamentals	4
DCS 1101	Introduction to Object Oriented Programming	4
DCS 1102	Introduction to 4th generation languages	4
Year I: Semester II (4 Core Courses)		
DCS 1200	Introduction to Data Structures & Algorithms	4
DCS 1201	Fundamentals of Database Management Systems	4
DCS 1202	Fundamentals of Systems Analysis and Design	4
DCS 1203	Introduction to Computer Architecture	3
Year II: Semester I (3 Core Courses)		
DCS 2100	Fundamentals of Computer Information Systems	4
DCS 2101	Fundamentals of Software System Design	4
DCS 2102	Basics of Web Applications Engineering	4
Electives: (1 Elective Course)		
DCS 2103	Introduction to Computer Graphics	4
DCS 2104	Fundamentals of Linear Models	4
Year II: Semester II (3 Core Courses)		
DCS 2200	Fundamentals of Software Project Management	4
DCS 2201	Fundamentals of Computer Networks and Applications	4
DCS 2202	Diploma in Computer Science Project	4
Electives: (1 Elective Course)		
DCS 2203	Legal and Ethical Aspects of Computers	3
DCS 2204	Introduction to User Interface Design	3

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BCSC)

Year I: Semester I (5 Core Courses)		CU
CSK 1101	Communication Skills	4
CSC 1100	Computer Literacy	4
CSC 1101	Computers	3
CSC 1102	Computational Mathematics I	4
CSC 1103	Solution Methods in Optimization	4

Year I: Semester II (5 Core Courses)		
CSC 1200	Programming Methodology	4
CSC 1201	Computational Mathematics II	4
CSC 1202	Principles of Programming	4
CSC 1203	Information Systems	3
CSC 1204	Research Methodology	4

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