

	COURSE MAPPING					
	THE NEW BSC COMPUTER SCIENCE CURRICULUM					
	COLLEGE OF COMPUTING & INFORMATION SCIENCES					
	SCHOOL OF COMPUTING & INFORMATICS TECHNOLOGY					
	DEPARTMENT OF COMPUTER SCIENCE					
	OLD CURRICULUM 2013			NEW CURRICULUM 2022		
Year 1 Semester 1						
Course Code	Course Name			Course Code	Course Name	Remark
CSC 1100	Computer Literacy			CSC 1100	Computer Literacy	
BIS 1104	Communication Skills for IT			CSK 1101	Communication Skills	
CSC 1104	Computer Organization & Architecture			CSC 1104	Computer Organization & Architecture	
CSC 1108	Individual Project I			CSC 1202	Software Development Project	Year 1 Semester 2
CSC 1107	Structured Programming			CSC1102	Structured & Object-Oriented Programming	Students redoing both CSC1104 and CSC1214 should consult the HoD CS
Year 1 Semester 2						
BIS 1206	System Analysis and Design			IST 1204	Systems Analysis and Design	
MTH 1203	Calculus I			CSC 1105	Mathematics for Computer Science	Year 1 Semester 1. Students redoing both MTH1203 and MTH2203 should consult the HoD CS
CSC 1214	Object-Oriented Programming			CSC1102	Structured & Object-Oriented Programming	Students redoing both CSC1104 and CSC1214 should consult the HoD CS
MTH 2203	Numerical Analysis I			CSC 1105	Mathematics for Computer Science	Year 1 Semester 1
BIS 1204	Data & Information Management I			IST1203	Data and Information Management I (BSSE)	To Study with BSSE students IST1203 Data and Information Management I
Year 2 Semester 1						
CSC 2100	Data Structures & Algorithms			CSC 1204	Data Structures and Algorithms	Year 1 Semester 2
MTH 3105	Discrete Mathematics			CSC 2105	Discrete Mathematics	Year 2 Semester 1
BSE 2106	Computer Networks			BSE 2106	Computer Networks	
CSC 2114	Artificial Intelligence			CSC 2114	Artificial Intelligence	
Electives (1)						
BSE 2105	Formal Methods			BSE 2105	Formal Methods (BSSE)	To study with BSSE BSE 2105 Formal Methods year 2 Semester 1

CSC 2113	Software Engineering			CSC 2118	Software Construction	
Year 2 Semester 2						
CSC 2200	Operating Systems			CSC1200	Operating Systems	Year 1 Semester 2
CSC 1209	Logic Programming			CSC 2105	Discrete Mathematics	Year 2 Semester 1
CSC 2209	Systems Programming			Special class to be organised		
CSC 2210	Automata, Complexity & Computability			CSC 2210	Automata, Complexity and Compati- bility	
BIT 2207	Research Methodology			IST 2203	Research Methodology	
Year 3 Semester 1						
CSC 3119	User Interface Design			CSC 3119	User Interface Design	
BAM 2102	Entrepreneurship Principles			BAM 2102	Entrepreneurship Principles	
CSC 3112	Principles of Programming Languages			CSC 3115	Advanced Programming	
CSC 3118	Computer Science Project I			CSC 3118	Computer Science Project I	
1 Elective						
BIS 3100	Modeling & Simulation			IST 3208	Modeling & Simulation	
CSC 3105	Computer Graphics			CSC 3121	Computer Graphics	
MTH 3107	Linear Programming			CSC 3117	Operations Research	
CSC 3115	Advanced Programming			CSC 3115	Advanced Programming	
Year 3 Semester 2						
BSE 2206	Data Communications			BSE 2206	Data Communications	
CSC 3205	Compiler Design			CSC 3205	Compiler Design	
CSC 3211	Computer Science Project II			CSC 3211	Computer Science Project II	
Electives (2 electives)						
CSC 3207	Computer Security			CSC 3207	Computer Security	
BIS 3205	Data Warehousing & Business Intelligence			BIS 3205	Data Warehousing & Business Intelligence	
BSE 3202	Distributed Systems Development			BSE 3202	Distributed Systems Development	
CSC 3217	Emerging Trends in Computer Science			CSC 3217	Emerging Trends in Computer Science	