DEGREE OF BACHELOR OF SCIENCE IN COMPUTING SCIENCE (04G50070)

DESIGNATED DEGREE OF BACHELOR OF SCIENCE IN COMPUTING SCIENCE (04G50089)

Students must also comply with the University General Regulations and the Supplementary Regulations for the Degree of Bachelor of Science

All the courses listed below are prescribed for this degree

PROGRAMME YEAR 1 – 120 Credit Points

First Half Session			Second Half Session		
Course Code	**Course Title**	**Credit Points**	**Course Code**	**Course Title**	**Credit Points**
PD 1001	Professional Skills Part 1	0			
CS 1022	Computer Programming and Principles	15	CS 1520	Computer Architecture	15
CS 1024	Grand Challenges of Computing and Artificial Intelligence	15			
Plus one of the following courses:					
CS 1025	Web Application Development	15	CS 1522	Web Technology	15
			CS 1527	Object-Oriented Programming	15
Plus 60 credit points from courses of choice.					

PROGRAMME YEAR 2 – 120 Credit Points

First Half-Session			Second Half-Session		
Course Code	**Course Title**	**Credit Points**	**Course Code**	**Course Title**	**Credit Points**
CS 2013	Mathematics for Computing Science	15	CS 2506	Human - Computer Interaction	15
CS 2015	Data Management	15	CS 2510	Modern Programming Languages	15
			CS 2521	Algorithmic Problem Solving	15
Plus 45 credit points from courses of choice.					

PROGRAMME YEAR 2 (DIRECT ENTRY) – 120 Credit Points

First Half-Session			Second Half-Session		
Course Code	**Course Title**	**Credit Points**	**Course Code**	**Course Title**	**Credit Points**
CS 2013	Mathematics for Computing Science	15	CS 2510	Modern Programming Languages	15
			CS 2521	Algorithmic Problem Solving	15
CS 2015	Data Management	15	CS 1520	Computer Architecture	15
			CS 2506	Human – Computer Interaction	15
Plus 30 credit points from courses of choice.					

PROGRAMME YEAR 3 – 120 Credit Points

First Half-Session			Second Half-Session		
Course Code	**Course Title**	**Credit Points**	**Course Code**	**Course Title**	**Credit Points**
CS 3026	Operating Systems	15	CS 3518	Languages and Computability	15
CS 3028	Principles of Software Engineering	15	CS 3528	Software Engineering and Professional Practice	15
Plus three of the following courses:					
CS 3025	Knowledge-Based Systems	15	CS 3524	Distributed Systems and Security	15
CS 3027	Robotics	15	CS 3525	Enterprise Computing and Business	15
Plus 15 credit points from courses of choice.					

PLEASE SEE OVER →

PROGRAMME YEAR 4 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	**Course Title**	**Credit points**	**Course Code**	**Course Title**	**Credit points**
CS 4040	Research Methods	15	CS 4527	Single Honours Computing Project	45
Plus 45 credit points from level 4 Computing Science courses. Plus 15 credit points from courses of choice.					

Notes	
1.	Honours programme may only be taken by full-time study.
2.	Designated Programme: See Supplementary Regulation 1
3.	Candidates seeking entry to the Junior Honours programme must have accumulated, by award or recognition, or been exempted from, at least 240 credit points at levels 1 and 2, including those compulsory courses required to enter programme year 3.