DEGREE OF MASTER IN SCIENCE IN COMPUTING SCIENCE WITH INDUSTRIAL PLACEMENT (04G50140)

Students must also comply with the University General Regulations and the Supplementary Regulations for the Award of an Undergraduate Master's Degree

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 of Artificial Intelligence	15			
Plus one of the courses listed below:					
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 – 120 Credit Points DIRECT ENTRY					
First Half-Session			Second Half-Session		
Course Code	**Course Title**	**Credit Points**	**Course Code**	**Course Title**	**Credit Points**
CS 1022	Computer Programming & Principles	15	CS 2510	Modern Programming Languages	15
			CS 2521	Algorithmic Problem Solving	15
CS 2015	Data Management	15	Plus one of the courses listed below:		
			CS 1520	Computer Architecture	15
			CS 2506	Human - Computer Interaction	15
Plus 45 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 courses listed below:					
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 50IP	Business and Industrial Applications of IT (see Note 1)				120

PROGRAMME YEAR 5 – 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 courses.					
Plus 15 credit points from courses of choice.					

Notes	
1.	Subject to satisfactory completion of the Junior Honours year and placement being available, students will take the course 'Business and Industrial Applications of IT' (CS 50IP) which will involve working in industry (where 'industry' is taken to mean manufacturing industry, business, commerce, the public sector etc.) for a year between their Junior and Senior Honours years or after Senior Honours. Students who successfully complete this course will have their degree designated as awarded ' with Industrial Placement', but performance on CS 50IP shall not otherwise contribute towards Honours assessment.
2.	Honours programme may only be taken by full-time study.