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 1002	Getting Started at the University of Aberdeen	0			
CS 1032	Programming 1	15	CS 1534	Web Development	15
CS 1029	Modelling and Problem Solving for Computing	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 2020	Software Programming	15	CS 2506	Human - Computer Interaction	15
CS 2019	Databases and Data Management	15	CS 2522	Algorithms and Data Structures	15
Plus 60 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 2020	Software Programming	15	CS 2522	Algorithms and Data Structures	15
Plus 45 credit points from courses of choice.			CS 1533	Computer Systems and Architecture	15
			CS 2506	Human - Computer Interaction	15
			Plus 15 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 3033	Artificial Intelligence	15	CS 3524	Distributed Systems and Security	15
CS 3026	Operating Systems	15	CS 3525	Enterprise Computing and Business	15
CS 3028	Principles of Software Engineering	15	CS 3528	Software Engineering and Professional Practice	15
Plus 30 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 4529	Single Honours Computing Project	60
CS 4028	Security	15			
CS 4049	Introduction to Machine Learning and Data Mining	15			
Plus 15 credit points from courses of choice to make up 120 credit points.					

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.