

DEGREE OF BACHELOR OF SCIENCE IN DATA SCIENCE (04G40370)**DESIGNATED DEGREE OF BACHELOR OF SCIENCE IN DATA SCIENCE ()**

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
PD1002	Getting Started at the University of Aberdeen	0			
CS1032	Programming 1	15	CS1527	Object-Oriented Programming	15
MA1005	Calculus 1	15	MA1508	Calculus II	15
MA1006	Algebra	15	ST1506	Understanding Data	15
Plus 30 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
CS2019	Databases and Data Management	15	CS2506	Human-Computer Interaction	15
CS2020	Software Programming	15	CS2522	Algorithms and Data Structures	15
MA2010	Probability	15	MA2511	Applied Linear Algebra	15
PX2015	Dynamical Phenomena	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
CS3028	Principles of Software Engineering	15	CS3524	Distributed Systems and Security	15
CS3033	Artificial Intelligence	15	CS3525	Enterprise Computing and Business	15
PX30SC	Professional Skills for Sciences	15	CS3528	Software Engineering and Professional Practice	15
Plus 15 credit points from courses of choice.			MX3536	Differential Equations	15

PROGRAMME YEAR 4 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit points	Course Code	Course Title	Credit points
CS4040	Research Methods	15	CS4550	Single Honours Data Science Project	45
CS4025	Natural Language Processing	15			
MX4085	Nonlinear Dynamics and Chaos Theory I	15			
Plus 15 credit points from courses of choice.			PX4514	Modelling Theory	15

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.