DEGREE OF BACHELOR OF SCIENCE IN COMPUTING SCIENCE AND PHYSICS (04IF1370)

DESIGNATED DEGREE OF BACHELOR OF SCIENCE IN COMPUTING SCIENCE AND PHYSICS (04IF1389)

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 1002	Getting Started at the University of Aberdeen	0			
CS 1032	Programming 1	15	CS 1533	Computer Systems and Architecture	15
PX 1015	The Physical Universe A	15	CS 1527	Object-Oriented Programming	15
MA 1005	Calculus I	15	PX 1513	The Physical Universe B	15
MA 1006	Algebra	15	MA 1508	Calculus II	15

	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 2513	Mathematics for Computing Science	15	
CS 2019	Databases and Data Management	15	CS 2522	Algorithms and Data Structures	15	
PX 2013	Light Science	15	PX 2505	Practical Optics and Electronics	15	
PX 2015	Dynamical Phenomena	15	PX 2510	Relativity and Quantum Mechanics	15	

Course Code			Second Half-	Session	
Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
CS 3028	Principles of Software Engineering	15	CS 3528	Software Engineering and Professional Practice	15
PX 3014	Energy and Matter	15			
PX 3020	Mathematical Methods in Physics	15			
	Plus tv	wo of the fo	llowing cours	es	
CS 3026	Operating Systems	15	CS 3518	Language and Computability	15
CS 3026			CS 3534	Distributed Systems	15
	Plus tv	wo of the fo	llowing cours	es	
PX 3016	Introduction to the Solid State	15	PX 3510	Advanced Practical Physics	15
			EITHER PX 4510*	Structure of Matter and the Universe	15
			OR PX 4516*	Nuclear and Semiconductor Physics	15

PLEASE SEE OVER \rightarrow

PROGRAMME YEAR 4 – 120 Credit Points					
First Half-Session		Second Half-	Second Half-Session		
Course Title	Credit Points	Course Code	Course Title	Credit Points	
Research Methods	15		laint Hanauma Communica Physics		
Introduction to Machine Learning and Data Mining	15	CS 4594	Project Computing-Physics	45	
Case Studies In Physical Sciences	15				
Statistical Physics and Stochastic Systems	15	PX 4514	Modelling Theory	15	
	Research Methods Introduction to Machine Learning and Data Mining Case Studies In Physical Sciences Statistical Physics and Stochastic	Research Methods Introduction to Machine Learning and Data Mining Case Studies In Physical Sciences Statistical Physics and Stochastic 15	Research Methods Introduction to Machine Learning and Data Mining Case Studies In Physical Sciences Statistical Physics and Stochastic Second Half- Course Code Code 15 CS 4594 CS 4594 PX 4514	Sion Course Title Credit Points Research Methods Introduction to Machine Learning and Data Mining Case Studies In Physical Sciences Statistical Physics and Stochastic Second Half-Session Course Title Course Course Title Course Honours Computing-Physics Project PX 4514 Modelling Theory	

	Notes					
	1.	Designated Programme:				
	1.	See Supplementary Regulation 1				
		Candidates seeking entry to the Junior Honours programme must have accumulated, by award or				
	2.	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.				