

DEGREE OF BACHELOR OF SCIENCE IN PHYSICS WITH ASTROPHYSICS (04F3F570)**DESIGNATED DEGREE OF BACHELOR OF SCIENCE IN PHYSICS WITH ASTROPHYSICS ()**

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					
Term 1			Term 2		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
PD 1002	Getting Started at the University of Aberdeen	0			
PX 1015	The Physical Universe A	15	PX 1513	The Physical Universe B	15
MA 1005	Calculus I	15	PX 1514	Astronomy and Meteorology	15
MA 1006	Algebra	15	MA 1508	Calculus II	15
Plus 15 credit points from courses of choice.			ST 1507	Fundamental Data Analysis for Astronomy	15

PROGRAMME YEAR 2 – 120 Credit Points					
Term 1			Term 2		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
PX 2011	An Introduction to Space Science and Remote Sensing	15	PX 2505	Practical Optics and Electronics	15
PX 2013	Light Science	15	PX 2510	Relativity and Quantum Mechanics	15
PX 2015	Dynamical Phenomena	15	MA 2511	Applied Linear Algebra	15
PX 2017	Computational Methods in Physics and Astrophysics	15	Plus 15 credit points from courses of choice.		

PROGRAMME YEAR 3 – 120 Credit Points					
Term 1			Term 2		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
PX 3014	Energy and Matter	15	PX 3511	Quantum Mechanics	15
PX 3016	Introduction to the Solid State	15	PX 3512	Electricity and Magnetism	15
PX 3021	Optics and Photonics	15	PX 3522	Advanced Practical Physics for Astrophysics	15
Plus 15 credit points from courses of choice.			EITHER PX 45xx	*Particle Physics, General Relativity and Cosmology	15
			OR PX 45xx	*Modern Astrophysics	15
*These courses run on a two-year cycle.					

PLEASE SEE OVER →

PROGRAMME YEAR 4 – 120 Credit Points					
Term 1			Term 2		
Course Code	Course Title	Credit points	Course Code	Course Title	Credit points
PX 4018	Project in Astrophysics				45
PX 4007	Case Studies in Physical Sciences	15	PX 4514	Modelling Theory	15
PX 4012	Statistical Physics and Stochastic Systems	15	EITHER PX 45xx	* Particle Physics, General Relativity and Cosmology	15
			OR PX 45xx	*Modern Astrophysics	15
Plus 15 credit points from courses of choice. *These courses run on a two-year cycle. The course PX45xx Modern Astrophysics will include a weekend field trip to the Cairngorms, or a similar dark sky park, for observational purposes. Field trip will be funded by students – minibus, hostel, food, etc. Approximate cost would be £45 per student, based on an estimate of 15 students.					

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.