

DEGREE OF BACHELOR OF SCIENCE IN PHYSICS (04F30070)

DESIGNATED DEGREE OF BACHELOR OF SCIENCE IN PHYSICS (04F30089)

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	MA 1508	Calculus II	15
MA 1006	Algebra	15			
Plus 45 credit points from courses of choice.					

PROGRAMME YEAR 2 – 120 Credit Points					
Term 1			Term 2		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
PX 2013	Light Science	15	PX 2505	Practical Optics and Electronics	15
PX 2015	Dynamical Phenomena	15	PX 2510	Relativity and Quantum Mechanics	15
PX 2016	Computational Methods in Physics	15	Plus 30 credit points from courses of choice.		
MA 2008	Linear Algebra 1	15			

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 3510	Advanced Practical Physics	15
PX 3016	Introduction to The Solid State	15	PX 3511	Quantum Mechanics	15
PX 3022	Electricity and Magnetism	15	PX 3521	Optics and Photonics	15
Plus 15 credit points from courses of choice.			EITHER PX 4510	*Structure of Matter and The Universe	15
			OR PX 4516	*Nuclear and Semiconductor Physics	15
* These courses alternate on a two-year cycle. PX 4510 will run in 2025-2026.					

PROGRAMME YEAR 4 – 120 Credit Points					
Term 1			Term 2		
Course Code	Course Title	Credit points	Course Code	Course Title	Credit points
PX 4013	Project				45
PX 4007	Case Studies in Physical Sciences	15	Plus 15 credit points from the below:		
PX 4012	Statistical Physics and Stochastic Systems	15	EITHER PX 4510	*Structure of Matter and the Universe	15
			OR PX 4516	*Nuclear and Semiconductor Physics	15
			PX 4514	Modelling Theory	15
* These courses alternate on a two-year cycle. PX 4510 will run in 2025-2026.					
Plus 30 credit points, including 15 from Level 4 courses and a further 15 from courses of choice.					
A graduating curriculum for the Honours programme must include 90 credit points from Level 4 courses.					

Notes	
1.	Designated Programme: See Supplementary Regulation 1
2.	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.