

**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					
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			
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					
First Half-Session			Second Half-Session		
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
Plus one 15 credit MA2 course Plus 45 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
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 3019	Mathematical and Computational Methods in Physics	15	PX 3512	Electricity and Magnetism	15
			<i><b>EITHER</b></i> PX 4510	*Structure of Matter and The Universe	15
			<i><b>OR</b></i> PX 4516	*Nuclear and Semiconductor Physics	15
Plus 15 credit points from courses of choice. * These courses alternate on a two-year cycle. PX 4510 will run in 2021-2022.					

**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
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	<i><b>EITHER</b></i> PX 4510 <i><b>OR</b></i> PX 4516 <i><b>OR</b></i> PX 4514	*Structure of Matter and the Universe *Nuclear and Semiconductor Physics Modelling Theory	15 15 15
<p>* These courses alternate on a two-year cycle. PX 4510 will run in 2021-2022.  Plus 30 credit points, including 15 from Level 4 courses and a further 15 from courses of choice.  <b>A graduating curriculum for the Honours programme must include 90 credit points from Level 4 courses.</b></p>					

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.