

## RECOMMENDED PROGRAMME STRUCTURE FOR AUGUST INTAKE 2016

<b>Aug 2016 Semester 1 (Year 1)</b>		<b>MC</b>	<b>Type</b>	<b>Pre-req</b>	<b>Anti-req</b>	<b>Aug</b>	<b>Jan</b>
SP-1201	Basic Experimental Skills in Physics	4	Core	A lvl Phys	None	X	X
SP-1204	Classical Mechanics	4	Core	A lvl Phys	SP-1301/TG-1303	X	-

Take your compulsory breadth modules here

<b>Jan 2017 Semester 2 (Year 1)</b>				<b>Pre-req</b>	<b>Anti-req</b>	<b>Aug</b>	<b>Jan</b>
SP-1202	Electricity and Magnetism	4	Core	A lvl Phys	SP-1302/TG-1307	-	X
SP-1203	Thermal Physics and Optics	4	Core	A lvl Phys	SP-1303	-	X

Take your compulsory breadth modules here

<b>Aug 2017 Semester 3 (Year 2)</b>				<b>Pre-req</b>	<b>Anti-req</b>	<b>Aug</b>	<b>Jan</b>
SP-2202	Concepts in Modern Physics	4	Core	SP-1204/SP-1301	SP-2301	X	X
SP-2302	Electronics: Analogue & Digital	4	Option	SP-1302/SP-1202	TG-2309	X	-
SP-2203	Quantum Mechanics and Atomic Physics	4	Core	None	SP-2303	X	-
SP-2307	Introduction to Computational Physics	4	Option	None	None	X	-

<b>Jan 2018 Semester 4 (Year2)</b>				<b>Pre-req</b>	<b>Anti-req</b>	<b>Aug</b>	<b>Jan</b>
SP-2201	Experiments in Physics	4	Core	SP-1201	None	X	X
SP-2304	Thermodynamics, Fluids and Statistical Mechanics	4	Option	None	None	-	X
SP-2305	Introduction to Materials Science	4	Option	None	None	-	X
SP-2306	Condensed Matter Physics	4	Option	None	None	-	X

<b>Aug 2019 Semester 7 (Year 4)</b>				<b>Pre-req</b>	<b>Anti-req</b>	<b>Aug</b>	<b>Jan</b>
SP-4290	Project	8	Core	None	None	X	X

**AND choose 2 Options from:**

SP-4301	Characterisation and Evaluation of Materials	4	Option	None	None	X	-
SP-4307	Energy Generation, Storage and Distribution	4	Option	None	TE-3304	X	-
SP-4308	Nuclear and Particle Physics	4	Option	None	None	X	-
SP-4310	Physics of Solar Cells	4	Option	None	None	X	-

<b>Jan 2020 Semester 8 (Year 4)</b>				<b>Pre-req</b>	<b>Anti-req</b>	<b>Aug</b>	<b>Jan</b>
-------------------------------------	--	--	--	----------------	-----------------	------------	------------

SP-4290	Project		Core	None	None	X	X
---------	---------	--	------	------	------	---	---

**AND choose 2 Options from:**

SP-4302	Environmental Physics	4	Option	None	None	-	X
SP-4303	Renewable Energy	4	Option	SP-1303/SP-1203	None	-	X
SP-4304	Physics in Medicine and Biology	4	Option	None	None	-	X
SP-4309	Introduction to Chemical Physics	4	Option	None	None	-	X
SP-4311	Polymer Physics	4	Option	None	None	-	X

Total Major modules required: 72 MCs

Major Core modules: 36 MCs

Major Optional modules: 36 MCs