

RECOMMENDED PROGRAMME STRUCTURE FOR AUGUST INTAKE 2015 AND EARLIER

Aug 2015 Semester 1 (Year 1)		MC	Type	Pre-req	Anti-req	Aug	Jan
SP-1201	Basic Experimental Skills in Physics	4	Core	A lvl Phys	None	✓	✓
SP-1301	Classical Mechanics	4	Option	A lvl Phys	TG-1303	✓	×

Take your compulsory breadth modules here

Jan 2016 Semester 2 (Year 1)				Pre-req	Anti-req	Aug	Jan
SP-1302	Electricity and Magnetism	4	Option	A lvl Phys	TG-1307	×	✓
SP-1303	Thermal Physics and Optics	4	Option	A lvl Phys	None	×	✓

Take your compulsory breadth modules here

Aug 2016 Semester 3 (Year 2)				Pre-req	Anti-req	Aug	Jan
SP-2201	Experiments in Physics	4	Core	SP-1201	None	✓	×
SP-2301	Concepts in Modern Physics	4	Option	SP-1204/SP-1301	None	✓	✓
SP-2302	Electronics: Analogue & Digital	4	Option	SP-1302/SP-1202	TG-2309	✓	×
SP-2307	Introduction to Computational Physics	4	Option	None	None	✓	×

Jan 2017 Semester 4 (Year2)				Pre-req	Anti-req	Aug	Jan
SP-2303	Quantum Mechanics and Atomic Physics	4	Option	None	None	×	✓
SP-2304	Thermodynamics, Fluids and Statistical Mechanics	4	Option	None	None	×	✓
SP-2305	Introduction to Materials Science	4	Option	None	None	×	✓
SP-2306	Condensed Matter Physics	4	Option	None	None	×	✓

Aug 2017 Semester 7 (Year 4)				Pre-req	Anti-req	Aug	Jan
SP-4290	Project	8	Core	SP-1201 & SP-2201	None	✓	✓

AND choose 2 Options from:

SP-4301	Characterisation and Evaluation of Materials	4	Option	None	None	✓	×
SP-4308	Nuclear and Particle Physics	4	Option	None	None	✓	×
SP-4310	Physics of Solar Cells	4	Option	None	None	✓	×
SP-4311	Polymer Physics	4	Option	None	None	✓	×

Jan 2018 Semester 8 (Year 4)				Pre-req	Anti-req	Aug	Jan
SP-4290	Project		Core	SP-1201 & SP-2201	None	✓	✓

AND choose 2 Options from:

SP-4302	Environmental Physics	4	Option	None	None	×	✓
SP-4303	Renewable Energy	4	Option	SP-1303/SP-1203	None	×	✓
SP-4304	Physics in Medicine and Biology	4	Option	None	None	×	✓

Total Major modules required: 72 MCs

Major Core modules: 16 MCs

Major Optional modules: 56 MCs

RECOMMENDED PROGRAMME STRUCTURE FOR JANUARY INTAKE 2016

Jan 2016 Semester 1 (Year 1)		MC	Type	Pre-req	Anti-req	Aug	Jan
SP-1201	Basic Experimental Skills in Physics	4	Core	A lvl Phys	None	✓	✓
SP-1302	Electricity and Magnetism	4	Option	A lvl Phys	TG-1307	×	✓
SP-1303	Thermal Physics and Optics	4	Option	A lvl Phys	None	×	✓

Take your compulsory breadth modules here

Aug 2016 Semester 2 (Year 1)				Pre-req	Anti-req	Aug	Jan
SP-1301	Classical Mechanics	4	Option	A lvl Phys	TG-1303	✓	×

Take your compulsory breadth modules here

Jan 2017 Semester 3 (Year 2)				Pre-req	Anti-req	Aug	Jan
SP-2301	Concepts in Modern Physics	4	Option	SP-1204/SP-1301	None	✓	✓
SP-2304	Thermodynamics, Fluids and Statistical Mechanics	4	Option	None	None	×	✓
SP-2305	Introduction to Materials Science	4	Option	None	None	×	✓
SP-2306	Condensed Matter Physics	4	Option	None	None	×	✓

Aug 2017 Semester 4 (Year2)				Pre-req	Anti-req	Aug	Jan
SP-2201	Experiments in Physics	4	Core	SP-1201	None	✓	×
SP-2302	Electronics: Analogue & Digital	4	Option	SP-1302/SP-1202	TG-2309	✓	×
SP-2307	Introduction to Computational Physics	4	Option	None	None	✓	×
SP-4xxx	take any L4000 Major Option (SP-43XX)	4	Option			✓	×

Jan 2019 Semester 7 (Year 4)				Pre-req	Anti-req	Aug	Jan
SP-4290	Project	8	Core	SP-1201 & SP-2201	None	✓	✓
AND choose 2 Options from:							
SP-2303	Quantum Mechanics and Atomic Physics	4	Option	None	None	×	✓
SP-4302	Environmental Physics	4	Option	None	None	×	✓
SP-4303	Renewable Energy	4	Option	SP-1303/SP-1203	None	×	✓
SP-4304	Physics in Medicine and Biology	4	Option	None	None	×	✓

Aug 2019 Semester 8 (Year 4)				Pre-req	Anti-req	Aug	Jan
SP-4290	Project		Core	SP-1201 & SP-2201	None	✓	✓
AND choose 2 Options from:							
SP-4301	Characterisation and Evaluation of Materials	4	Option	None	None	✓	×
SP-4308	Nuclear and Particle Physics	4	Option	None	None	✓	×
SP-4310	Physics of Solar Cells	4	Option	None	None	✓	×
SP-4311	Polymer Physics	4	Option	None	None	✓	×

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Major Optional modules: 56 MCs

RECOMMENDED PROGRAMME STRUCTURE FOR AUGUST INTAKE 2016

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

Take your compulsory breadth modules here

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

Take your compulsory breadth modules here

Aug 2017 Semester 3 (Year 2)				Pre-req	Anti-req	Aug	Jan
SP-2201	Experiments in Physics	4	Core	SP-1201	None	✓	×
SP-2202	Concepts in Modern Physics	4	Core	SP-1204/SP-1301	SP-2301	✓	✓
SP-2302	Electronics: Analogue & Digital	4	Option	SP-1302/SP-1202	TG-2309	✓	×
SP-2307	Introduction to Computational Physics	4	Option	None	None	✓	×

Jan 2018 Semester 4 (Year2)				Pre-req	Anti-req	Aug	Jan
SP-2203	Quantum Mechanics and Atomic Physics	4	Core	None	SP-2303	×	✓
SP-2204	Thermodynamics, Fluids and Statistical Mechanics	4	Core	None	SP-2304	×	✓
SP-2305	Introduction to Materials Science	4	Option	None	None	×	✓
SP-2206	Condensed Matter Physics	4	Core	None	SP-2306	×	✓

Aug 2019 Semester 7 (Year 4)				Pre-req	Anti-req	Aug	Jan
SP-4290	Project	8	Core	SP-1201 & SP-2201	None	✓	✓
AND choose 2 Options from:							
SP-4301	Characterisation and Evaluation of Materials	4	Option	None	None	✓	×
SP-4308	Nuclear and Particle Physics	4	Option	None	None	✓	×
SP-4310	Physics of Solar Cells	4	Option	None	None	✓	×
SP-4311	Polymer Physics	4	Option	None	None	✓	×

Jan 2020 Semester 8 (Year 4)				Pre-req	Anti-req	Aug	Jan
SP-4290	Project		Core	SP-1201 & SP-2201	None	✓	✓
AND choose 2 Options from:							
SP-4302	Environmental Physics	4	Option	None	None	×	✓
SP-4303	Renewable Energy	4	Option	SP-1303/SP-1203	None	×	✓
SP-4304	Physics in Medicine and Biology	4	Option	None	None	×	✓

Total Major modules required: 72 MCs

Major Core modules: 44 MCs

Major Optional modules: 28 MCs

RECOMMENDED PROGRAMME STRUCTURE FOR JANUARY INTAKE 2017

Jan 2017 Semester 1 (Year 1)		MC	Type	Pre-req	Anti-req	Aug	Jan
SP-1201	Basic Experimental Skills in Physics	4	Core	A lvl Phys	None	✓	✓
SP-1202	Electricity and Magnetism	4	Core	A lvl Phys	SP-1302/TG-1307	×	✓
SP-1203	Thermal Physics and Optics	4	Core	A lvl Phys	SP-1303	×	✓

Take your compulsory breadth modules here

Aug 2017 Semester 2 (Year 1)				Pre-req	Anti-req	Aug	Jan
SP-1204	Classical Mechanics	4	Core	A lvl Phys	SP-1301/TG-1303	✓	×

Take your compulsory breadth modules here

Jan 2018 Semester 3 (Year 2)				Pre-req	Anti-req	Aug	Jan
SP-2203	Quantum Mechanics and Atomic Physics	4	Core	None	SP-2303	×	✓
SP-2204	Thermodynamics, Fluids and Statistical Mechanics	4	Core	None	SP-2304	×	✓
SP-2305	Introduction to Materials Science	4	Option	None	None	×	✓
SP-2206	Condensed Matter Physics	4	Core	None	SP-2306	×	✓

Aug 2018 Semester 4 (Year 2)				Pre-req	Anti-req	Aug	Jan
SP-2201	Experiments in Physics	4	Core	SP-1201	None	✓	×
SP-2202	Concepts in Modern Physics	4	Core	SP-1204/SP-1301	SP-2301	✓	✓
SP-2302	Electronics: Analogue & Digital	4	Option	SP-1302/SP-1202	TG-2309	✓	×
SP-2307	Introduction to Computational Physics	4	Option	None	None	✓	×

Jan 2020 Semester 7 (Year 4)				Pre-req	Anti-req	Aug	Jan
SP-4290	Project	8	Core	SP-1201 & SP-2201	None	✓	✓
AND choose 2 Options from:							
SP-4302	Environmental Physics	4	Option	None	None	×	✓
SP-4303	Renewable Energy	4	Option	SP-1303/SP-1203	None	×	✓
SP-4304	Physics in Medicine and Biology	4	Option	None	None	×	✓

Aug 2020 Semester 8 (Year 4)				Pre-req	Anti-req	Aug	Jan
SP-4290	Project		Core	SP-1201 & SP-2201	None	✓	✓
AND choose 2 Options from:							
SP-4301	Characterisation and Evaluation of Materials	4	Option	None	None	✓	×
SP-4308	Nuclear and Particle Physics	4	Option	None	None	✓	×
SP-4310	Physics of Solar Cells	4	Option	None	None	✓	×
SP-4311	Polymer Physics	4	Option	None	None	✓	×

Total Major modules required: 72 MCs

Major Core modules: 44 MCs

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