

RECOMMENDED PROGRAMME STRUCTURE FOR AUGUST INTAKE (2017 ONWARDS)

| Aug 2016 Semester 1 (Year 1) | | MC | Type | Pre-req | Anti-req | Aug | Jan |
|-------------------------------------|---|-----------|-------------|----------------|-----------------|------------|------------|
| SP-1205 | Experimental and Mathematical Skills in Physics | 4 | Core | A lvi Phys | SP-1201 | ✓ | ✓ |
| SP-1204 | Classical Mechanics | 4 | Core | A lvi 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 lvi Phys | SP-1302/TG-1307 | × | ✓ |
| SP-1203 | Thermal Physics and Optics | 4 | Core | A lvi 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-1205 | None | ✓ | × |
| SP-2202 | Concepts in Modern Physics | 4 | Core | SP-1204 | SP-2301 | ✓ | ✓ |
| SP-2302 | Electronics: Analogue & Digital | 4 | Option | 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 | Option | None | SP-2304 | × | ✓ |
| SP-2305 | Introduction to Materials Science | 4 | Option | None | None | × | ✓ |
| SP-2206 | Condensed Matter Physics | 4 | Option | None | SP-2306 | × | ✓ |

| Aug 2019 Semester 7 (Year 4) | | | | Pre-req | Anti-req | Aug | Jan |
|-------------------------------------|--|---|--------|-------------------|-----------------|------------|------------|
| SP-4290 | Project | 8 | Core | SP-1205 & 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-1205 & SP-2201 | None | ✓ | ✓ |
| AND choose 2 Options from: | | | | | | | |
| SP-4302 | Environmental Physics | 4 | Option | None | None | × | ✓ |
| SP-4303 | Renewable Energy | 4 | Option | 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