Sample Study Plan for Physics as the Primary Major

	Year 1		Year 2		Year 3		Year 4	
	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2
	Pair 1: Integrated Course in Social Sciences Pair 2: Integrated Course in Humanities	Pair 1: Integrated Course in Humanities Pair 2: Integrated Course in Social Sciences	Scientific Inquiry II	Artificial Intelligence	Communities and Engagement	Interdisciplinary II	**Major 12**	**Major 14**
	Pair 1: Scientific Inquiry I Pair 2: Integrated Course in Asian Studies	Pair 1: Integrated Course in Asian Studies Pair 2: Scientific Inquiry I	Writing	**PC2031 Electricity & Magnetism I**	Interdisciplinary I	**PC2135 Thermodynamics and Statistical Mechanics**	**Major 13**	**Major 15**
	Pair A: Data Literacy Pair B: Design Thinking	Pair A: Design Thinking Pair B: Data Literacy	Digital Literacy	**PC2193 Experimental Physics and Data Analysis**	**PC2130 Quantum Mechanics I**	**Major 10**	**PC4288 Honours Projects in Physics (8 units)***	
	PC1101 Frontiers of Physics	**PC2174A Mathematical Methods in Physics I**	**PC2032 Classical Mechanics I**	UE 4	**Major 7**	**Major 11**	UE 7	UE 9
	Major B Gateway Course (UE 1)	Major C Gateway Course (UE 2)	UE 3	UE 5	**Major 8**	UE 6	UE 8	UE 10

Note: Students are strongly encouraged to complete all CHS Common Curriculum courses in their first two years except for the following 3 courses:

- *Communities and Engagement course – can be taken from Years 2 to 4*
- *Two Interdisciplinary courses – can be taken in Years 3 and 4*

*Graduation Requirements

Students must take at least one of the following courses in the UE space to fulfil the graduation requirements. It is recommended to take UPIP during a special term.

- PC4288 Honours Projects in Physics (8 units, count as two courses)
- PC coded Undergraduate Professional Internship Programme (UPIP, minimum 4 units, advised to be taken during a special term)

Recommended Elective Courses

- PC3274A Mathematical Methods in Physics II
- PC3193 Experimental Physics II
- PC3261 Classical Mechanics II
- PC3231 Electricity & Magnetism II
- PC3130 Quantum Mechanics II
- PC3233 Atomic and Molecular Physics I
- PC3235 Solid State Physics I
- PC3236 Computational Methods in Physics
- PC3288 Advanced UROPS in Physics
- PC4230 Quantum Mechanics III
- PC4274A Mathematical Methods in Physics III