

Sample Study Plan for CHS Students undertaking a Physics Second 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	Primary Major 12	Primary 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	Primary Major 4	Interdisciplinary I	Primary Major 9	Primary Major 13	Primary Major 15
Pair A: Data Literacy Pair B: Design Thinking	Pair A: Design Thinking Pair B: Data Literacy	Digital Literacy	Primary Major 5	Primary Major 7	Primary Major 10	<b>PC2135 Thermodynamics and Statistical Mechanics</b>	<b>Physics Elective 2</b>
Primary Major 1	Primary Major 2	Primary Major 3	Primary Major 6	Primary Major 8	Primary Major 11	<b>Physics Elective 1</b>	<b>Physics Elective 3</b>
<b>PC1101 Frontiers of Physics</b>	<b>PC2174A Mathematical Methods in Physics I</b>	<b>PC2032 Classical Mechanics I</b>	<b>PC2031 Electricity &amp; Magnetism I</b>	<b>PC2193 Experimental Physics and Data Analysis</b>	<b>PC2130 Quantum Mechanics I</b>	UE 1	UE 2

**Note: Students have 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

### Recommended Elective Courses

- PC3130 Quantum Mechanics II
- PC3193 Experimental Physics II
- PC3231 Electricity & Magnetism II
- PC3233 Atomic and Molecular Physics I
- PC3235 Solid State Physics I
- PC3261 Classical Mechanics II
- PC3274A Mathematical Methods in Physics II