

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	Writing	Scientific Inquiry II	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	Digital Literacy	Artificial Intelligence	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	Primary Major 3	Primary Major 5	Primary Major 7	Primary Major 10	PC2135 Thermodynamics and Statistical Mechanics	Physics Elective 2
Primary Major 1	Primary Major 2	Primary Major 4	Primary Major 6	Primary Major 8	Primary Major 11	Physics Elective 1	Physics Elective 3
PC1101 Frontiers of Physics	PC2174A Mathematical Methods in Physics I	PC2032 Classical Mechanics I	PC2031 Electricity & Magnetism I	PC2193 Experimental Physics and Data Analysis	PC2130 Quantum Mechanics I	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
- PC3221 Fundamentals of Quantum Information and Computation
- PC3231 Electricity & Magnetism II
- PC3233 Atomic and Molecular Physics I
- PC3235 Solid State Physics I
- PC3270 Machine Learning for Physicists / New AI Course
- PC3274A Mathematical Methods in Physics II