Biophysics Physics Minor Study Plan for CHS Students undertaking a primary major in Physics							
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	**PC3270 Machine Learning for Physicists / New AI Course**	**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	**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	**PC3274A Mathematical Methods in Physics II**	**PC2031 Electricity & Magnetism I**	**PC2130 Quantum Mechanics I**	**Major 10**	UE 2	UE 4
PC1101 Frontiers of Physics	**PC2174A Mathematical Methods in Physics I**	**PC2032 Classical Mechanics I**	**PC2193 Experimental Physics and Data Analysis**	**PC3193 Experimental Physics II**	**Major 11**	UE 3	UE 5
UE 1	**LSM1111 Biological Challenges and Opportunities for Humankind OR LSM1301 General Biology**	**PC2267 Biophysics I**	**PC3267 Biophysics II**	**Elective 1**	**Elective 2**	UE 4	UE 6

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

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.

- PC3288 (or its variants) Advanced UROPS in Physics I
- PC4288 (or its variants) Honours Project in Physics (8 Units)
- PC UPIP course (minimum 4 Units, advised to be taken during a special term)
- NOC Internship Course

List of Elective Courses for all students:

Choose the courses Elective 1 and Elective 2 from the following list, where at least one has to be an LSM-coded course:

- PC2031 Electricity and Magnetism I
- PC2135 Thermodynamics & Statistical Mechanics
- LSM3220 Genes, Genomes and Biomedical Implications
- LSM2106 Fundamental Biochemistry (Formerly LSM1106)
- LSM2234 Introduction to Quantitative Biology
- LSM2241 Introductory Bioinformatics
- LSM3243 Molecular Biophysics (Prerequisite: LSM2106)
- PC4267 Biophysics III
- LSM4231 Structural Biology