

Sample Study Plan for PHPT (P)

Option with PA & FYP

**PLAN YOUR
STUDIES**



YEAR ONE

S1: Mechanics, Optics, Vibrations & Waves, Physics Lab IA, Calculus for the Sciences, CC0001, CC0003

S2: Electricity & Magnetism, Relativity & Quantum Physics, Physics Lab IB, Calculus for Physics, CC0007, CC0015

YEAR THREE

S1: Electromagnetism, Quantum Mechanics II, Technological Applications of Quantum Mechanics, Condensed Matter Physics I, Fabrication of Micro- and Nanoelectronic Devices, Communication Across the Sciences, MLxxxx-ICC PS

S2: Physics Lab IIIA, MPE1, Nanoscale Physics, Physics of Semiconductor and Devices, MPT-Elect 1

YEAR TWO

S1: Linear Algebra for Scientists, Thermal Physics, Analytical Mechanics, Physics Lab IIA, Introduction to Computational Thinking, ML0004

S2: Quantum Mechanics 1, Physics Lab IIB, Complex Methods for the Sciences, Physical Optics, Introduction to DSAI, CC0006, CSL

YEAR FOUR

S1: Photonics, Materials for Sustainable Energy, MPE2, MPT-Elect 2

S2: Final Year Project, MPT-Elect 3

Exchange Immersion

SPECIAL TERM

Professional Attachment

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Option with PI w/o FYP

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YEAR FOUR

S1: Photonics, Materials for Sustainable Energy, MPE2, MPT-Elect 2, MPT-Elect 3

S2: Professional Internship*

Exchange Immersion

***NOTE:**

PI completed in last semester runs the risk of delayed graduation

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Option with PI & FYP

**PLAN YOUR
STUDIES**



YEAR ONE

S1: Mechanics, Optics, Vibrations & Waves, Physics Lab IA, Calculus for the Sciences, CC0001, CC0003

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