

Sample Study Plan for PHME

Option with PA & FYP

Plan your studies

YEAR ONE

S1: Mechanics, Optics, Vibrations & Waves, Physics Lab IA, Calculus for the Sciences, Introduction to Computational Thinking, CC0002

S2: Electricity & Magnetism, Relativity & Quantum Physics, Physics Lab IB, Calculus for Physics, Digital Electronics, Introduction to DSAI, CC0001, CC0003

YEAR TWO

S1: Linear Algebra for Scientists, Thermal Physics, Physics Lab IIA, Circuit Analysis, Communication Across the Sciences, CC0005, CC0007

S2: Quantum Mechanics 1, Physics Lab IIB, Complex Methods for the Sciences, Physical Optics, Analog Electronics, CC0006, ML0004

SPECIAL TERM

Professional Attachment

YEAR THREE

S1: Electromagnetism, Quantum Mechanics II, Technological Applications of Quantum Mechanics, Physics Lab IIIA, Fabrication of Micro- and Nanoelectronic Devices, Microprocessors

S2: Physics of Semiconductor and Devices, Advanced Numerical Methods for Physicists, Integrated Electronics, BDE1, BDE2

YEAR FOUR

S1: Final Year Project, BDE3, BDE4, BDE5

S2: MPE1, MPE2, ME-Elect 1, ME-Elect 2

Exchange Immersion



Sample Study Plan for PHME

Option with PI w/o FYP

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S1: Mechanics, Optics, Vibrations & Waves, Physics Lab IA, Calculus for the Sciences, Introduction to Computational Thinking, CC0002 S2: Electricity & Magnetism, Relativity & Quantum Physics, Physics Lab IB, Calculus for Physics, Digital Electronics, Introduction to DSAI, CC0001, CC0003

YEAR TWO

S1: Linear Algebra for Scientists, Thermal Physics, Physics Lab IIA, Circuit Analysis, Communication Across the Sciences, CC0005, CC0007 S2: Quantum Mechanics 1, Physics Lab IIB, Complex Methods for the Sciences, Physical Optics, Analog Electronics, CC0006, ML0004

03

YEAR THREE

S1: Electromagnetism, Quantum Mechanics II, Technological Applications of Quantum Mechanics, Physics Lab IIIA, Fabrication of Micro- and Nanoelectronic Devices, Microprocessors
S2: Physics of Semiconductor and Devices, Advanced Numerical Methods for Physicists, Integrated Electronics, ME-Elect 1, BDE1, BDE2, BDE3

04

YEAR FOUR

S1: MPE1, MPE2, ME-Elect 2, BDE4, BDE5
S2: Professional Internship

Exchange Immersion

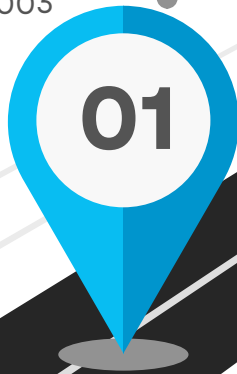
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Option with PI & FYP

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YEAR THREE

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S2: Physics of Semiconductor and Devices, Advanced Numerical Methods for Physicists, Integrated Electronics, ME-Elect 1, MPE1, MPE2, BDE1

04

YEAR FOUR

S1: Final Year Project, ME-Elect 2, BDE2, BDE3
S2: Professional Internship