

# Sample Study Plan for PPHY

## Option with PA & FYP

### Plan your studies

#### YEAR TWO

S1: Linear Algebra for Scientists, Thermal Physics, Analytical Mechanics, Physics Lab IIA, Introduction to Computational Thinking, CC0006

S2: Quantum Mechanics 1, Physics Lab IIB, Complex Methods for the Sciences, Introduction to DSAI, CC0007, CSL

#### YEAR ONE

S1: Mechanics, Optics, Vibrations & Waves, Physics Lab IA, Calculus for the Sciences, CC0001, CC0015

S2: Electricity & Magnetism, Relativity & Quantum Physics, Physics Lab IB, Calculus for Physics, CC0003, ML0004, BDE1

#### SPECIAL TERM

*Professional Attachment*

04

#### YEAR FOUR

S1: Final Year Project, MPE1, BDE7, BDE8

S2: MPE2, BDE9, BDE10

*Exchange Immersion*

#### YEAR THREE

S1: Electromagnetism, Quantum Mechanics II, Technological Applications of Quantum Mechanics, Communication Across the Sciences, MLxxxx-ICC PS, BDE2

S2: Physics Lab IIIA, BDE3, BDE4, BDE5, BDE6

*Exchange Immersion*

01

02

03

# Sample Study Plan for PPHY

## Option with PI w/o FYP

### Plan your studies

#### YEAR TWO

S1: Linear Algebra for Scientists, Thermal Physics, Analytical Mechanics, Physics Lab IIA, Introduction to Computational Thinking, CC0006

S2: Quantum Mechanics 1, Physics Lab IIB, Complex Methods for the Sciences, Introduction to DSAI, CC0007, CSL

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S1: Mechanics, Optics, Vibrations & Waves, Physics Lab IA, Calculus for the Sciences, CC0001, CC0015

S2: Electricity & Magnetism, Relativity & Quantum Physics, Physics Lab IB, Calculus for Physics, CC0003, ML0004, BDE1

#### YEAR FOUR

S1: Professional Internship

S2: MPE1, MPE2, BDE8, BDE9, BDE10

*Exchange Immersion*

#### YEAR THREE

S1: Electromagnetism, Quantum Mechanics II, Technological Applications of Quantum Mechanics, Communication Across the Sciences, MLxxxx-ICC PS, BDE2, BDE3

S2: Physics Lab IIIA, BDE4, BDE5, BDE6, BDE7

*Exchange Immersion*

# Sample Study Plan for PPHY

## Option with PI & FYP

### Plan your studies

#### YEAR TWO

S1: Linear Algebra for Scientists, Thermal Physics, Analytical Mechanics, Physics Lab IIA, Introduction to Computational Thinking, CC0006

S2: Quantum Mechanics 1, Physics Lab IIB, Complex Methods for the Sciences, Introduction to DSAI, CC0007, CSL

#### YEAR ONE

S1: Mechanics, Optics, Vibrations & Waves, Physics Lab IA, Calculus for the Sciences, CC0001, CC0015

S2: Electricity & Magnetism, Relativity & Quantum Physics, Physics Lab IB, Calculus for Physics, CC0003, ML0004, BDE1

#### YEAR FOUR

S1: Final Year Project, MPE2, BDE8

S2: Professional Internship

#### YEAR THREE

S1: Electromagnetism, Quantum Mechanics II, Technological Applications of Quantum Mechanics, Communication Across the Sciences, MLxxxx-ICC PS, BDE2, BDE3

S2: Physics Lab IIIA, BDE4, BDE5, BDE6, BDE7, MPE1

*Exchange Immersion*