

# Sample Study Plan for PHQT (A)

## Option with PA & FYP

### Plan your studies

#### YEAR TWO

S1: Linear Algebra for Scientists, Electromagnetism, Physics Lab IIA, Probability and Introduction to Statistics, CC0006

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

#### YEAR ONE

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

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

#### SPECIAL TERM

*Professional Attachment*

04

#### YEAR FOUR

S1: Physics Lab IIIA, MPE2, QT-Elect 2, QT-Elect 3, BDE1

S2: Final Year Project, QT-Elect 4

#### YEAR THREE

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

S2: MPE1, Physics of Classical and Quantum Information, Open Quantum Systems, Quantum Hardware, QT-Elect 1

*Exchange Immersion*

01

02

03

# Sample Study Plan for PHQT (A)

## Option with PI & NO FYP

### Plan your studies

#### YEAR TWO

S1: Linear Algebra for Scientists, Electromagnetism, Physics Lab IIA, Probability and Introduction to Statistics, CC0006

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

#### YEAR ONE

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

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

04

#### YEAR FOUR

S1: Physics Lab IIIA, MPE2, QT-Elect 3, QT-Elect 4, BDE1

S2: Professional Internship

03

#### YEAR THREE

S1: Thermal Physics, Quantum Mechanics II, Technological Applications of Quantum Mechanics, Communication Across the Sciences, MLxxxx-ICC PS, QT-Elect 1

S2: MPE1, Physics of Classical and Quantum Information, Open Quantum Systems, Quantum Hardware, QT-Elect 2

*Exchange Immersion*

02

01

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## Option with PI & FYP

### Plan your studies

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

#### YEAR ONE

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

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

04

#### YEAR FOUR

S1: Physics Lab IIIA, Final Year Project, MPE2, QT-Elect 3, QT-Elect 4

S2: Professional Internship

#### YEAR THREE

S1: Thermal Physics, Quantum Mechanics II, Technological Applications of Quantum Mechanics, Communication Across the Sciences, MLxxxx-ICC PS, BDE1

S2: MPE1, Physics of Classical and Quantum Information, Open Quantum Systems, Quantum Hardware, QT-Elect 1, QT-Elect 2

*Exchange Immersion*

01

02

03