Sample Study Plan for PHME
Option with PA & FYP

Plan your studies

YEAR TWO

S1: Linear Algebra for Scientists, Thermal Physics, Physics Lab IIA, Circuit Analysis, Communication Across the Sciences, CC0006, ML0004

S2: Quantum Mechanics 1, Physics Lab IIB, Complex Methods for the Sciences, Physical Optics, Analog Electronics, CC0007, CSL

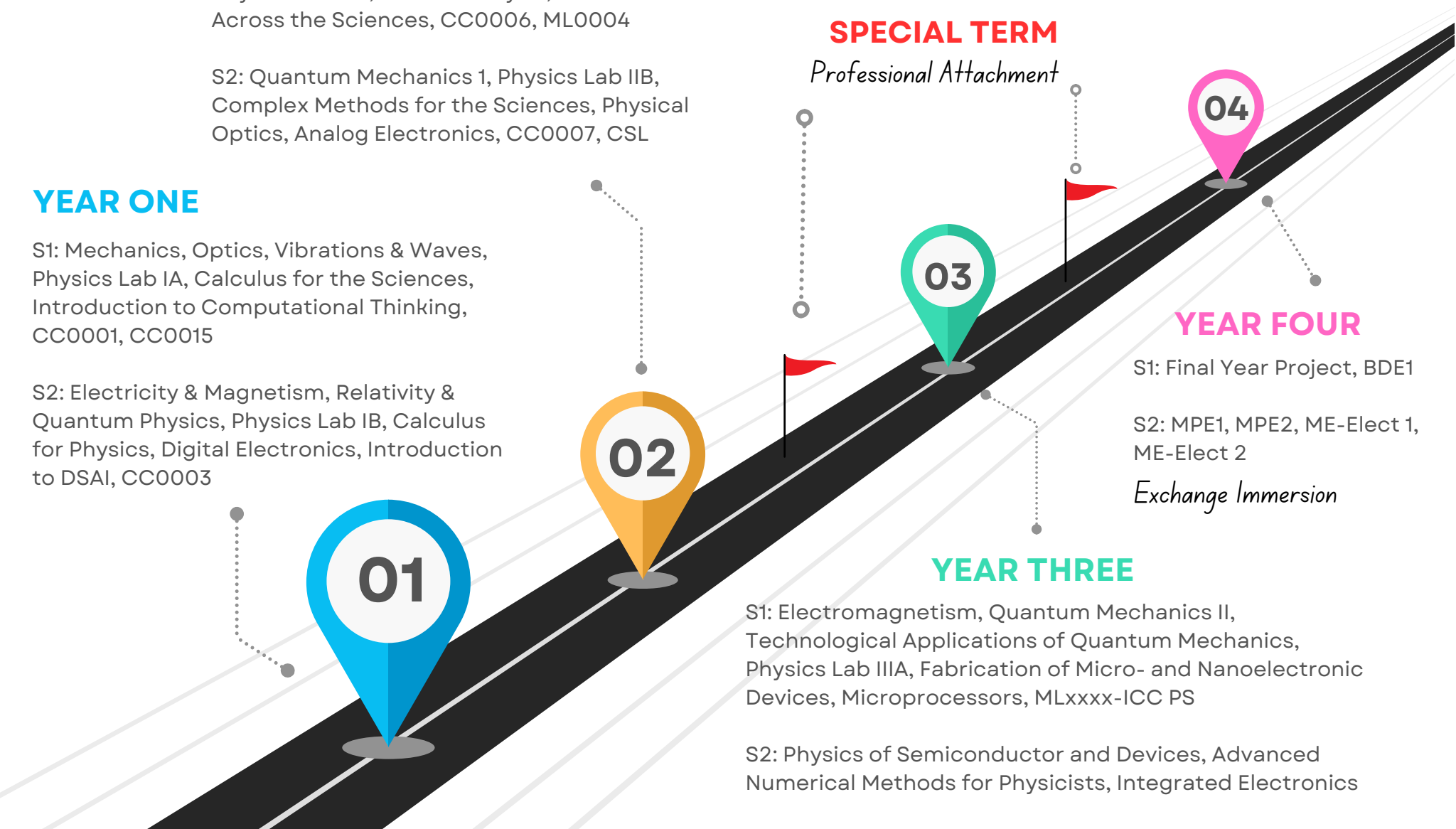
SPECIAL TERM

Professional Attachment

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, Digital Electronics, Introduction to DSAI, CC0003



YEAR FOUR

S1: Final Year Project, BDE1

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

Exchange Immersion

YEAR THREE

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

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

Sample Study Plan for PHME
Option with PI w/o FYP

Plan your studies

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, Digital Electronics, Introduction to DSAI, CC0003

YEAR TWO

S1: Linear Algebra for Scientists, Thermal Physics, Physics Lab IIA, Circuit Analysis, Communication Across the Sciences, CC0006, ML0004

S2: Quantum Mechanics 1, Physics Lab IIB, Complex Methods for the Sciences, Physical Optics, Analog Electronics, CC0007, CSL

YEAR THREE

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

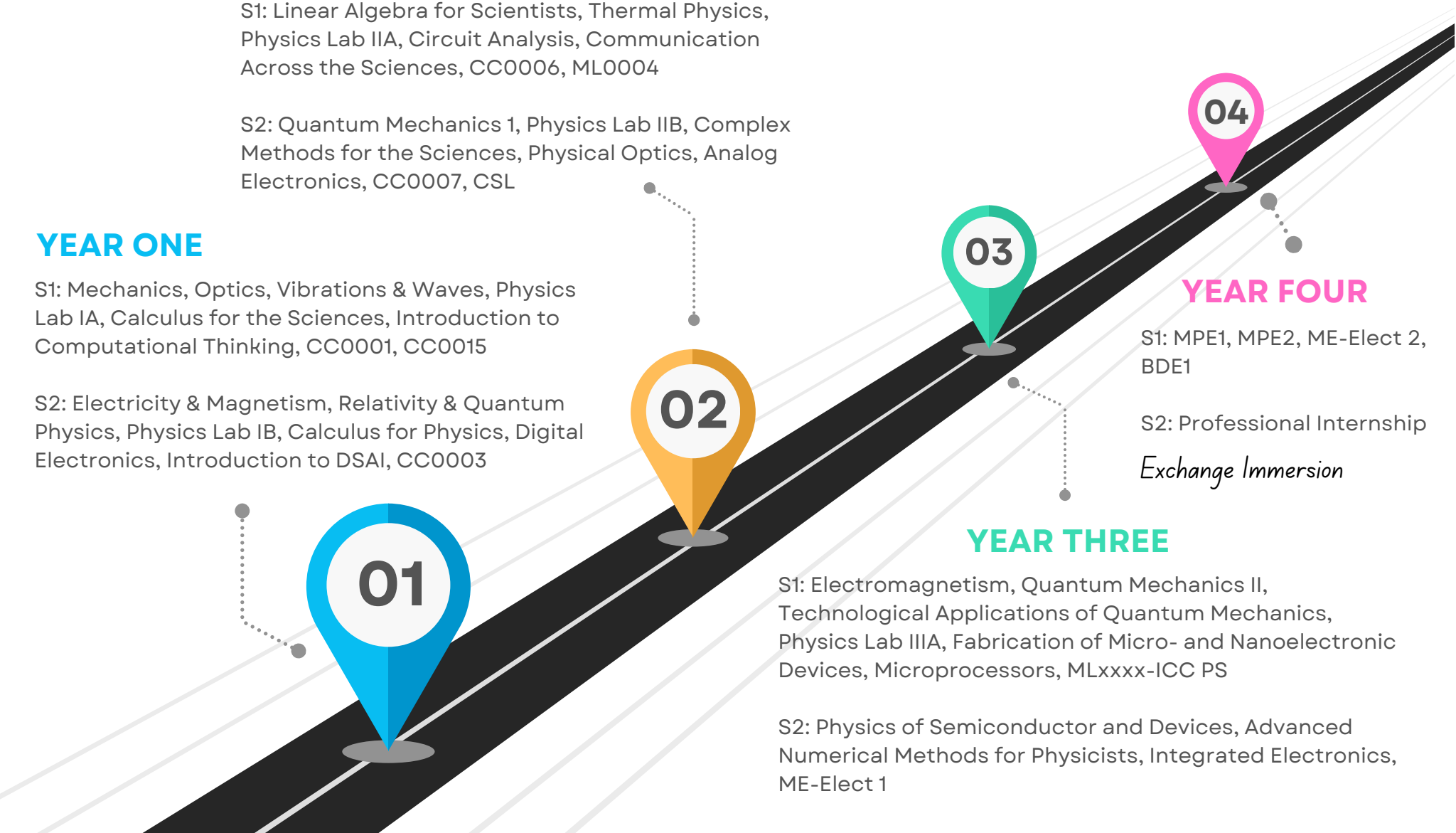
S2: Physics of Semiconductor and Devices, Advanced Numerical Methods for Physicists, Integrated Electronics, ME-Elect 1

YEAR FOUR

S1: MPE1, MPE2, ME-Elect 2, BDE1

S2: Professional Internship

Exchange Immersion



Sample Study Plan for PHME
Option with PI & FYP

Plan your studies

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, Digital Electronics, Introduction to DSAI, CC0003

YEAR TWO

S1: Linear Algebra for Scientists, Thermal Physics, Physics Lab IIA, Circuit Analysis, Communication Across the Sciences, CC0006, ML0004

S2: Quantum Mechanics 1, Physics Lab IIB, Complex Methods for the Sciences, Physical Optics, Analog Electronics, CC0007, CSL

YEAR THREE

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

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

YEAR FOUR

S1: Final Year Project, MPE2, ME-Elect 2, BDE1

S2: Professional Internship