

FIRST YEAR

SECOND YEAR

THIRD YEAR

FOURTH YEAR

FALL

WINTER

FALL

WINTER

FALL

WINTER

FALL

WINTER

MATH 1052
Calculus & Intro. Analysis I

MATH 2052
Calculus & Intro. Analysis II

MATH 2100
Algebra

STAT 2655
Introduction to Probability with Applications

1.0 credit from 4000-level or higher MATH, STAT

MATH 1152
Introductory Algebra I

MATH 2152
Introductory Algebra II

MATH 2000
Multivariable Calculus

MATH 3008
Ordinary Differential Equations

MATH 3001
Real Analysis I (Honours)

MATH 1800
Introduction to Mathematical Reasoning

MATH 2454
Ordinary Differential Equations

MATH 3705
Mathematical Methods I

MATH 3057
Functions of a Complex Variable

0.5 credit from:
MATH 3002, MATH 3003, MATH 3106,
PHYS 3007, PHYS 3606

PHYS 1001
Foundations of Physics I

PHYS 1002
Foundations of Physics II

PHYS 2212
Wave Mechanics and Thermodynamics

PHYS 2305
Electricity and Magnetism

PHYS 3802
Advanced Dynamics

PHYS 4409
Thermodynamics and Statistical Physics

PHYS 4707
Introduction to Quantum Mechanics I

PHYS 4708
Introduction to Quantum Mechanics II

COMP 1005
Introduction to Computer Science I

PHYS 2605
Modern Physics I

PHYS 3308
Electromagnetism

PHYS 4909 (full year project)
Or
(MATH 4905 or PHYS 4907/4908) + PHYS 4xxx
Requires 4th year standing

Experimental Science
CHEM or BIOL or EARTH
(1st course)

Experimental Science
CHEM or BIOL or EARTH
(2nd course)

PHYS 2007
Second-year Physics lab.

PHYS 3701
Elements of Quantum Mechanics

1.0 credit from PHYS at the 4000 level

2.0 credits in Approved courses outside the faculties of Science and Engineering and Design, one of which can be ISAP 1000
Plus

1.0 credit in free electives