MATHMATICS & PHYSICS

Updated September 2019

FIRST YEAR | SECOND YEAR | THIRD YEAR | FOURTH YEAR

FALL | WINTER | FALL | WINTER | FALL | WINTER | FALL | WINTER

MATH 1002 Algebra I

MATH 1102 Calculus and Introductory Analysis I

MATH 1800 introduction to Mathematical Reasoning

MATH 2100 Algebra II (Honours)

MATH 2000 Calculus and Introductory Analysis II (Honours)

MATH 2454 Ordinary Differential Equations

MATH 3705 Mathematical Methods I

STAT 2655 Introduction to Probability with Applications

MATH 3008 Ordinary Differential Equations

MATH 3057 Functions of a Complex Variable

MATH 3001 Real Analysis I (Honours)

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1.0 credit from 4000-level or higher MATH, STAT

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

Used as PHYS 3807

PHYS 1001 Foundations of Physics I

PHYS 1002 Foundations of Physics II

PHYS 2401 Thermal Physics

PHYS 2202 Wave Motion and Optics

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 2604 Modern Physics I

PHYS 2305 Electricity and Magnetism

PHYS 3308 Electro-magnetism

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

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

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

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 **NSCI 1000**
Plus
1.0 credit in free electives

Carleton UNIVERSITY

- Physics
- Mathematics and Statistics
- Other Experimental Sciences
- Computer Programming
- Electronics
- Electives

Note:
- Dashed connecting lines indicate a prerequisite that may be taken concurrently.
- Some Experimental Science, COMP, ELEC and MATH, and many elective courses are also offered in summer, which may help to reduce your course load in the Fall and Winter terms.