Mathematics and Physics

University of Strathclyde

Content

Mathematics is everywhere: weather forecasting, cash machines, secure websites, electronic games, liquid crystal displays and statistical data analysis.

Physics is used to help us answer some of the important questions which arise in the world around us. Once we understand the processes involved in these problems, we need to translate our ideas into mathematics to find the solutions.

This flexible degree structure enables transfer between courses with the opportunity to study abroad.

Each year contains compulsory classes and some years contain either optional classes which relate to different areas of mathematics and physics and/or elective classes from other subject areas in the University.

Years 1 and 2
You'll take basic classes in both disciplines. In addition to the study of core mathematical methods, you'll learn calculus, geometry, applied analysis, mechanics, numerical analysis and probability and statistics. Physics classes cover mechanics, waves and optics, electromagnetism and quantum physics, together with experimental physics.

In Years 3 and 4
You'll choose from the wide range of Mathematics and Physics classes available. It is possible to focus on an area in computational physics, or lasers and optics, or theoretical physics, such as quantum theory, while still developing mathematical skills. Your final-year project may be undertaken in either subject.

Start Date

October

Qualification

Degree

Study Method

Full time

Award Title

BSc Hons

UCAS Code

GF13

Course Length

4 years

Faculty

Faculty of Science

Department

Mathematics and Statistics

Entry Requirements

2026 entry requirements

Standard entry:
4 or 5 Highers at AABB or ABBBC including Maths at A and Physics at B plus English at National 5. Higher English and Advanced Higher Maths and Physics preferred.

Widening access entry:
4 Highers at ABBB including Maths at A and Physics at B (or BBBB including Maths and Physics and 70% in Strathclyde Summer School Mathematics) plus English at National 5. Higher English preferred.

For entry to year 2 you would require Advanced Higher Maths at A and Physics at B.

A Foundation Apprenticeship is accepted in place of a non-essential Higher.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

16 Richmond Street
Glasgow
Glasgow City
G1 1XQ

Website

www.strath.ac.uk