

Physics

University of Strathclyde

Content

Year 1

All classes are compulsory and you'll study the foundations of physics. Classes will cover mathematics, mechanics and waves, electromagnetism and quantum physics. You'll undertake practical work in the teaching laboratory. In addition to this, you'll also be introduced to the programming language Python and start to learn the basis of computational physics. You will also develop your study and communication skills, and interact with the careers service to develop your employability skills.

Year 2

All classes are compulsory and will increase your understanding of physics and mathematics topics developed in first year. You'll extend your knowledge of scientific computing and the laboratory work becomes more sophisticated, recognising your growing maturity as a physicist. You will further develop your study and communication skills, and again interact with the careers service to extend your employability skills.

Year 3

In addition to extending your study of quantum physics and electromagnetism you will be introduced to new topics centred on solid state physics, and gases and liquids and the fundamentals of thermodynamics. All students undertake some laboratory work in Year 3, aimed at further developing your laboratory skills in readiness for the fourth-year project. You can also choose from optional modules that are designed to enhance your communication skills, mathematical physics techniques, or computational skills.

Year 4

You'll undertake a project in research labs supervised by a member of staff in the department. You can select optional classes from topics as diverse as nanoscience, photonics through to enhanced quantum physics.

Year 5

This year includes a further project, which follows on from the project work undertaken in fourth year together with a class that develops the skills to start successful research. These classes are taken in the first semester. In the second semester you can select classes from a range of optional classes which link to those taken in fourth year.

Start Date

October

Qualification

Degree

Study Method

Full time

Award Title

MPhys

UCAS Code

F303

Course Length

5 years

Faculty

Faculty of Science

Department

Physics

Entry Requirements

2026 entry requirements

Standard entry:

4 or 5 Highers at AAAB or AABBB including Maths and Physics plus English at National 5. Higher English preferred. Advanced Higher Maths and Physics preferred.

Widening access entry:

4 Highers at ABBB including Maths and Physics plus English at National 5. Higher English preferred. Advanced Higher Maths and Physics preferred.

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

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

16 Richmond Street
Glasgow
Glasgow City
G1 1XQ

Website

