

Physics

University of Strathclyde

Content

Year 1

You'll study the foundations of physics. Classes will also cover maths, mechanics, wave and optics, electromagnetism and quantum physics and practical work undertaken in the teaching laboratory. You'll also select elective classes from across the University.

Year 2

All classes are compulsory and will increase your understanding of physics developed in first year. You'll be introduced to new classes, including solid-state physics and computational physics. Laboratory work becomes more sophisticated, recognising your growing maturity as a physicist. ?

Year 3

Compulsory classes include quantum physics, statistical mechanics, electromagnetism and solid-state physics together with mathematics. The laboratory work undertaken in Year 3 is aimed at further developing your laboratory skills in readiness for the fourth-year project. A key part of being a physicist is the communication of your understanding of the subject and in third year you will take classes designed to enhance the communication skills acquired in Years 1 and 2. ?

Year 4

You'll undertake a project in research labs and a class that introduces the ideas behind the commercialisation of a physics idea. You can select optional classes from topics as diverse as Photonics through to Quantum Information Theory. ?

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

2022 entry requirements

Standard entry:

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

SCQF Level

11

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Website

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