Physics

University of Strathclyde

Content

This course goes beyond the BSc Honours, offering a richer, more intensive exploration of physics—tailored for those aiming for a more research-focused career. From the very start, you'll focus on developing your understanding of the fascinating world of classical and modern physics.

Year 1
Start with essential mechanics, waves and fundamental electromagnetism and quantum physics all supported by a bespoke mathematics course. You'll be introduced to the programming language Python and practical work in the teaching laboratory will give you the basic skills you need to complete and report on your first mini project.

You'll also develop personal and professional skills through a through a mini team project and begin to interact with the careers service.

Year 2
The bespoke mathematics course, delivered by physicists, continues to help you tackle problems and apply concepts across mechanics, waves, electromagnetism and quantum physics.

You'll start developing computational physics models in Python and the practical course will extend your ability to use a variety of equipment and enhance your experimental skills.

Modules and team assignments will further develop your communication, negotiation and leadership skills.

Year 3
Extending the concepts from Years 1 and 2, you'll start to relate the physics of mechanics, waves, electromagnetism and quantum physics to the intricacies of the quantum realm, thermodynamics and solid-state physics.

Year 4
You'll apply your knowledge and skills to undertake an individual project embedded in one of our research groups supervised by a member of staff. The project may be experimental, theoretical, or computational physics or a mixture of all three and you will gain experience of research techniques and methods of disseminating your results.

Year 5
You'll develop further expertise in research and critical thinking through bespoke courses and a research intensive, semester long project. This could also be a time for an international research placement.

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

2027 entry requirements

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

Widening access entry:
4 Highers at ABBB including Maths and Physics plus English at National 5. Higher English preferred.

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

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

Glasgow

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Website

www.strath.ac.uk