

Physics (Combined)

University of Aberdeen

Venues

Old Aberdeen Campus

Content

First Year: The Physical Universe gives an overview of some of the general aims and achievements of physics. You are also introduced to the power of the fundamental subjects of Mechanics and Electricity and Magnetism, and have practical work covering Experimental Physics and Physical Computing. The Mathematics component includes Calculus and Algebra. There is an option to do a course covering the fundamentals of Astronomy and Meteorology. You also have the option of taking one of the sixth century interdisciplinary courses recently developed under curriculum reform. If you're taking a combined degree such as Physics with Geology, Chemistry, Philosophy or a language, then you will take courses from these disciplines.

Honours Physical Science students do not need to take the Mathematics component.

Second Year: Our main programme concentrates on: Dynamical Phenomena, including oscillations and waves, Light Science, Practical Optics and Digital Electronics and an introduction to Quantum Mechanics and Relativity. You should take one advanced Mathematics course and have three courses on subjects of your own choice. Again, Honours Physical Science students have a wider choice, with no Mathematics.

Third and Fourth Year (Honours): You will cover a mixture of fundamental topics, applied subjects and general interest areas such as Astrophysics and Particle Physics. We place particular emphasis on learning skills that professional scientists need to apply their knowledge. Students spend 25% of their final year on a supervised research and scholarship project involving physics or an area of application in health science, mathematics, geology, materials science, computation or another appropriate discipline.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BSc Hons

UCAS Code

Please refer to list below

Course Length

4 years

Faculty

Physical Science

Department

Natural and Computing Sciences

Entry Requirements

2022 entry requirements:

4 Highers at AABB (first sitting) including Maths and Physics at end S6 plus English, Maths and Chemistry or Physics at National 5. Those with Highers at BBB by end of S5 are encouraged to apply.

Widening access entry may be available - contact the university or check their website.

For advanced entry to year 2, you will require 3 Advanced Highers at ABB including Maths and Physics at AB or BA.

SCQF Level

10

Combination Courses

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|-------------------------|------|
| Physics with Geology | F3F6 |
| Physics with Philosophy | F3V5 |

Address

King's College
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Aberdeen City
AB24 3FX

Website

www.abdn.ac.uk