Physics with Astrophysics

University of Aberdeen

Venues

Old Aberdeen Campus

Content

Physics with Astrophysics is a comprehensive programme that introduces the core concepts of physics and demonstrates how they can be applied to the field of astrophysics.

This programme will give you valuable skills in the various facets of observational, computational and theoretical astrophysics that enable the study of the cosmos. This will include the usage of telescopes for precise observation, rigorous treatment of the laws of optics and electromagnetism that have enabled our study of the unimaginably distant stars, and computational modelling techniques. You will also undertake a project that will include simulation of large scale gravitational effects.

The programme includes a field trip in the fourth year, where members of staff will take you to a Dark Sky Park in the Cairngorms National Park for a weekend of astronomical observation. We also offer a case study the preparations required for a rocket launch, informed by discussions with local launch platform companies in Shetland and western Scotland.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BSc Hons

UCAS Code

F3FS

Course Length

4 years

Faculty

Physical Science

Department

Natural and Computing Sciences

Entry Requirements

2027 entry requirements:

Standard entry:
4 Highers at BBBB including 2 maths and science subjects plus English and Maths at National 5.

For second year entry you would require Advanced Highers at AB.

Widening access entry:
3 Highers at BBC including 2 maths and science subjects plus English and Maths at National 5.

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

SCQF Level

10

Cost

«Cost»

Progression Routes

«ProgressionRoutes»

Combination Courses

Address

King's College
Aberdeen
Aberdeen City
AB24 3FX

Website

www.abdn.ac.uk