Mathematics and Physics

University of Edinburgh

Venues

King's Buildings Campus

Content

Studying mathematics at university encourages you to think in an entirely different way. Through the introduction to new mathematical concepts not explored at school level, you will develop a rigorous mindset, and gain invaluable problem-solving skills and analytical skills.

Year 1:
You will take the core courses Linear Algebra, Calculus and Proofs and Problem-Solving. These are common to all our degree programmes and will take up half of your timetable. You will build on your knowledge of pure mathematics in a formal way and be introduced to the ways of thinking required at university level. You will also take courses in subjects other than mathematics. You will be able to get support from Maths Base, our popular walk-in help centre.

Year 2:
You will spend between half and two thirds of your time on mathematics, depending on your degree programme. You will take core courses in pure mathematics, extending your knowledge of calculus and analysis, and be introduced to the abstract ideas of group theory. In most programmes you will also take courses in statistics, probability, computing and applied mathematics. From this year onwards you can use the Mathematics Hub, our student-run facility that is both a social centre and work space.

Year 3:
You will focus on the main subjects of your degree. You will receive an excellent grounding in advanced mathematics, which will prepare you to study courses from the wide selection on offer in the following year or years.

Year 4:
You will have a wide range of mathematics courses to choose from and you can follow a programme that suits your particular interests and career aspirations. A large selection of courses in pure and applied mathematics and statistics is available, as well as options in areas such as mathematical education, financial mathematics, mathematical biology and operational research.

Current course titles include Algebraic Coding Theory, Topology and Non-Linear Optimization. You will have the opportunity to complete a group project in which you will research a topic in depth.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BSc Hons

UCAS Code

GF13

Course Length

4 years

Faculty

College of Science and Engineering

Department

Mathematics

Entry Requirements

2027 entry requirements

Standard entry:
5 Highers at AAAAA (by end of S5 preferred) including Maths at A and Physics plus English at National 5. Advanced Higher Maths is strongly recommended.

Direct entry to year 2 is possible with 3 Advanced Highers at AAA including Maths and Physics plus the above.

Widening access entry:
4 Highers at AABB (by end of S6) including Maths at A and Physics plus English at National 5. Advanced Higher Maths is strongly recommended. Highers at BBB must be achieved in one sitting S4-S6.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

Old College
South Bridge
Edinburgh
City of Edinburgh
EH8 9YL

Website

www.ed.ac.uk