Mathematics
Mathematics

At Sussex we recognise that mathematics is the foundation of the natural sciences. It plays a major role in disciplines such as finance, economics, physics, computer science and life sciences.

WHY CHOOSE MATHEMATICS AT SUSSEX?

You’ll be taught by our inspirational mathematicians, so you’ll benefit from their expertise from day one. You will be supported throughout, by an academic adviser helping you to get the most out of your degree.

You’ll learn from experts involved in real-world research projects and study modules based on the latest research, including mathematical biology, partial differential equations, numerical analysis and probability.

You benefit from our links to graduate employers, with opportunities to meet potential employers and secure placements.

OUR COURSES

We offer a range of courses for all levels, from foundation year to the four year MMath, and a number of courses with a minor subject, such as Finance or Economics.

Our degrees provide you with a foundation of core mathematical and statistical knowledge to ensure you are numerate, computer literate and able to think logically and quantitatively; while the range of courses we offer allows you to enhance your degree in different ways. All degrees have a common framework of organisation and assessment, and each module taken is assessed in the same term. This allows flexibility in your choice of modules and enables you to transfer between degree courses.

WE OFFER THE FOLLOWING COURSES:

• Mathematics degree (with a foundation year) BSc
• Mathematics BSc
• Mathematics MMath
• Mathematics with Economics BSc
• Mathematics with Economics MMath
• Mathematics with Finance BSc
• Mathematics with Finance MMath
• Mathematics with Research Placement MMath

ACCREDITATION

All our courses are accredited by the Institute of Mathematics and its Applications (IMA). The MMath courses are accredited to meet the educational requirements of the Chartered Mathematician designation awarded by the IMA.
**MMATH OR BSC**

The popular MMath is an integrated Master’s degree allowing you to study mathematics in greater depth. This is invaluable if you want to pursue postgraduate research or a career in which technical skills are important, such as mathematical modelling in finance or industry. It also enables you to obtain a Master’s degree whilst being eligible for undergraduate financial support.

The BSc course gives you the same strong fundamentals in Mathematics, and is ideal for those wanting to explore a wider range of options early on in their careers.

**INDUSTRY PLACEMENT YEAR**

Our Placement Program gives students the opportunity to intermit their degree and seek employment in various areas. Recent employers include HEFCE (Higher Education Funding Council), NATS (National Air Traffic Control) and Rolls Royce. Students can apply some of their mathematical knowledge to optimise systems and processes, and learn a number of transferable skills ranging from presentations and team work to becoming more independent.

**MMATH WITH RESEARCH PLACEMENT**

This course provides a unique opportunity to learn about research methods and practices at the same time as developing your knowledge and understanding of mathematics. You will spend your summer vacations working with a member of faculty on a paid research project. During the placement, you will explore research methods, learn to understand and use scientific literature, and develop practical and mathematical skills. The research placement can be done with the same faculty member, or with a different member in different years. This is an exciting opportunity for students interested in a career in research.

**YEAR OVERVIEW**

You will learn through a combination of lectures and small group workshops. The year consists of two 11 week teaching semesters: Autumn semester (end of September – mid December) and Spring semester (end of January – end of April). A typical week for one module consists of three hours of lectures (typically in the form of one 2 hour lecture (with 10 minute break) and one 1 hour lecture. There are also 1 hour workshops which take the form of group teaching (around 50 students) with two PhD students. All lecturers have 1 office hour per module per week where they are available to answer any questions on the material in their modules, but are generally available throughout the week when you can call in for further help and advice either individually or as a group. A complete set of lecture notes, and solutions to weekly exercise sheets and past exam papers are available online for the majority of modules. You will do a final-year project for all our MMath courses, and you have the option to do a project in all our BSc courses.

In years 1 and 2, a typical module is assessed by an exam (80%), a mid-semester test (10%) and exercise sheets (10%). In years 3 and 4, there is no mid-semester test, and the exercise sheets count towards 20%.

**STUDY ABROAD**

Studying abroad makes you stand out from other students when entering the job market. Students on our MMath and BSc courses have the option of spending some of their degree studying abroad. Our exchange partners include world leading universities such as University of California in the US, Eötvös Loránd University in Hungary, Uppsala University in Sweden, Hong Kong University and Hong Kong University of Science and Technology, Waseda and Kyoto Universities in Japan and Nanyang Technological University in Singapore. Exchanges with North American universities are also available.
“I am on a management consultancy graduate scheme, where I work with clients across a variety of sectors using my analytical skills.”

MEGAN PEACKOCK – ASSOCIATE CONSULTANT AT CAP GEMINI INVENT AND MATHEMATICS WITH AN INDUSTRIAL PLACEMENT YEAR GRADUATE
Regardless of which career you choose, your Sussex Mathematics degree will serve you well. If you study with us, you will be equipped with skills that are highly sought after by employers. You will not only get a first rate mathematics education, you will also have access to all the resources you need to successfully enter the graduate job market or secure a place for postgraduate study. Our close partnerships with local organisations give you invaluable industry insights, the chance to meet potential future employers and secure placement opportunities, and the opportunity to hone your practical and professional skills.

Our in-house Employability Advisor who develops links with local employers, can advise and support you in making successful applications and can offer support in securing placements and internships. Career events are run throughout the year such as Meet the Employer and mini careers fairs giving you chance to network and build relationships with local employers, apply for placements and jobs. Other typical activities include competitions, mock webcam interviews and feedback, webinars and visits from local employers giving extracurricular presentations. The annual Careers Fair gives you the opportunity to meet and find out more about employers that are particularly interested in mathematics graduates.

 OUR ALUMNI HAVE GONE ON TO CAREERS:

IN FINANCIAL SERVICES
Alpha FMC • American Express • Bank of England 
Canopius • Ccs Prepay • Clydesdale Bank • Deloitte LLP • KPMG • Lloyds Banking Group • Nomura 
International PLC • PwC • Volkswagen Financial Services • Thomson Reuters

IN INFORMATION TECHNOLOGY
Cable & Wireless • Fujitsu Services Ltd • GE • HBOS • IBM UK • Kubrick Group • Siemens IT Solutions & Services Ltd

IN TEACHING
Cardinal Newman Catholic School, Hove • Cavendish School, Eastbourne • Kingsbridge Community College • PGCE Cambridge • PGCE Sussex

We work closely with the University Careers and Employability Centre to provide mathematics specific careers activities and to embed transferable skills into your degree. In the second year you will take an assessed careers module to help you to make successful applications, identify your skills and experience, and research potential career options to reach your chosen vocational goal.
FURTHER INFORMATION

APPLICANT VISIT DAYS

All applicants who receive an offer and meet the advisory UCAS applications deadline are invited to attend an Applicant Visit Day. You will get a first-hand impression of what it is like to study here, a fuller picture of your chosen degree course, and an idea of what life is like as a student at the University of Sussex. There will be general and departmental talks, tours of the campus, accommodation and Brighton, and plenty of opportunities to meet lecturers and current students.

MORE QUESTIONS?

See our online prospectus at www.sussex.ac.uk/study/ug for more information, including the latest on:

- entry requirements
- how to apply
- fees, scholarships, bursaries and other financial support
- how to arrange to visit us.

CONTACT US

Department of Mathematics
Pevensey 2 Building
University of Sussex
Falmer Campus
Brighton BN1 9QH, UK

T +44 (0)1273 873133
F +44 (0)1273 877097
E ug.admissions@mps.sussex.ac.uk

www.sussex.ac.uk/maths

www.facebook.com/sussexmaths
www.twitter.com/sussexmaths

“There is a lovely sense of community amongst staff and students and the academic support is fantastic.”

CLAIRE BLACKMAN, MATHEMATICS BSc