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If you have any questions about courses, applications or student life at Bristol, please contact the Enquiries Team.

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Dan Rowley
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Mathematics



Undergraduate study



Courses

Single Honours

BSc Mathematics

three years G100

BSc Mathematics with Statistics

three years G1G3

BSc Mathematics with Statistics for Finance

three years G1G4

BSc Mathematics with Study in Continental Europe

four years G101

MSci Mathematics

four years G103

MSci Mathematics with Statistics

four years G1GH

MSci Mathematics with Study Abroad

four years G105

MSci Mathematics with Study in Continental Europe

four years G104

Joint Honours

BSc Economics and Mathematics

three years LG11

BSc Mathematics and Computer Science

three years GG14

BSc Mathematics and Philosophy

three years VG51

BSc Mathematics and Physics

three years GFD3

MEng Mathematics and Computer Science

four years GG1K

MSci Mathematics and Philosophy

four years GV15

MSci Mathematics and Physics

four years GFC3

Why study mathematics at Bristol?

Whether you enjoy reasoning through subtle ideas in abstract mathematics or discovering new applications of maths to more practical areas, our courses provide you with core mathematical skills that will equip you for a variety of careers and give a strong basis for further study.

Bristol is one of the top five mathematics departments in the UK for research (*THE* analysis of REF 2014). Our undergraduates have access to leading mathematicians, who teach some of our first-year courses, tutorials and projects and share knowledge at the cutting edge of their fields.

The school has a wide range of research strengths, including: number theory; dynamical systems; analysis; group theory and representation theory; Bayesian modelling and analysis; behavioural biology; multiscale methods; signal processing and time series; probability theory; mathematical physics; fluids; dynamical systems and statistical mechanics; and materials science. Along with flexible module choices, this means that you can explore many different types of mathematics and find the areas you most enjoy.

The student community runs a vibrant maths society, Matrix, and the school regularly hosts conferences, visiting lectures and events.

Join us in our new home, the historic Fry Building, at the heart of the University campus. The building has been completely renovated and remodelled to provide a first-class, modern environment designed to foster creative mathematics. You'll learn in brand new lecture theatres, tutorial rooms and computer laboratories, with plenty of space for studying, socialising and interacting with staff and other students.

'The course is the right level of challenging – you feel like you're doing something productive every day. The tutorials are really helpful and there's always someone you can ask if you've got a question.'

Andrew (MSci Mathematics)

This leaflet contains information for students planning to start university in autumn 2020. We have made every effort to ensure all details are correct at the time of going to press (May 2019). However, since this information is subject to change, you are advised to check the University's website, bristol.ac.uk/ug-study, for the latest updates.

What will you study?

In your first year, you'll get a rigorous introduction to the fundamentals of mathematics you'll need to thrive in your degree. These include units across applied maths, pure maths, and probability and statistics, as well as the opportunity to take part in group work.

In the second year, you can choose from a large range of units, including algebra, combinatorics, metric spaces and statistics. You can take an open unit outside of mathematics, with options ranging from a modern foreign language to politics or psychology.

Third-year units include quantum mechanics, numerical analysis, logic, fluid dynamics and financial mathematics. Open units in third and fourth years include topics in computer science, engineering mathematics and physics.

You can switch between a BSc and MSci Mathematics up until your final year.

Most joint honours students divide their studies equally between mathematics and their partner school.

Teaching and assessment

Year one consists of compulsory topics covered in lectures and small-group tutorials, where you can work through exercises independently and with peers. You will have the freedom to investigate a range of topics in collaboration with your personal tutor and fellow students. The Mathematical Investigations unit provides the opportunity to experience project work under your personal tutor's supervision.

First-year students typically have around 20 hours of teaching per week, with around 12 hours per week in later years.

After your first year, support for your studies continues with drop-in sessions with lecturers, feedback classes and student-led Maths Cafés. As you move through the course you will gain academic independence, with flexible opportunities for project work.

Most units are assessed by exam, in January and during the summer examination period, with regular homework throughout the year.

Personal tutors

You will be assigned a personal tutor who will normally remain with you throughout the duration of your degree course. They will get to know you, follow your progress and provide academic advice. They are your first point of contact if you have any questions about your course.

'I chose to study at Bristol because I felt it had the perfect balance between having a great student life and being very academic and prestigious.'

Zainab (MSci Mathematics)



'The breadth of units in Maths is fantastic. Only after first year did I find I enjoyed statistics most. Luckily, I was able to take nearly all of my third- and fourth-year units focusing on my favourite areas of study.'

Joseph (MSci Mathematics)

Careers and graduate destinations

A mathematics degree from Bristol is highly valued by employers and is an excellent starting point for a wide range of careers. Mathematics at Bristol ranks fourth nationally in terms of graduate salaries (Longitudinal Education Outcomes data 2018) and Bristol is the second most targeted university by leading UK employers (High Fliers Research 2019).

A number of our courses qualify for accreditation by professional bodies, including the Royal Statistical Society, the Institute and Faculty of Actuaries, and the Institute of Mathematics and its Applications.

Many graduates go on to work in financial services, government statistical and security services, engineering and management consultancy, IT, accountancy and teaching, at companies such as ONS, IBM, KPMG, Mercer and the civil service. Our alumni also work across broader fields, from law to community work and from sports coaching to filmmaking and the music business.

Many students also choose to continue their studies with a postgraduate course.

Source: Destinations of Leavers from Higher Education survey 2016/17. Find out more at [bristol.ac.uk/careers/be-inspired](https://www.bristol.ac.uk/careers/be-inspired).



Graduate employers

KPMG
Hargreaves Lansdown
Cambridge Brain Services
Teach First
FCA



Career destinations

Actuarial Consultant
Civil Service
Analyst
Graduate Trader
Big Data Engineer

Making your application

Visit [bristol.ac.uk/ug20-maths](https://www.bristol.ac.uk/ug20-maths) for more information about our courses.

Typical offer for BSc/MSci Mathematics

A-levels A*A*A (contextual AAA) including A* in Mathematics (contextual A in Mathematics) and A in another mathematics-related subject; or A*AA (contextual AAB) including A* in Mathematics (contextual A in Mathematics) and A in Further Mathematics.

IB Diploma 40 points overall (contextual 36) with 18 at Higher Level, including 7 (contextual 6) at Higher Level in Mathematics and 6 at Higher Level in another mathematics-related subject.

Mathematics-related subjects include Physics, Chemistry, Biology, Economics and Computer Science. STEP Paper achievement may be included as part of an alternative offer.

Our contextual offer is a grade reduction of up to two grades below the standard entry requirements, made to applicants from under-represented groups. Find out more at [bristol.ac.uk/contextual-offers](https://www.bristol.ac.uk/contextual-offers).

GCSEs No specific subjects required.

Selection process UCAS.

For other accepted qualifications, and for our English language requirements, visit [bristol.ac.uk/ug20-maths](https://www.bristol.ac.uk/ug20-maths).

Application advice for mathematics courses

We are looking for students who have a strong aptitude and genuine passion for mathematics. We do not usually interview applicants, but students who receive an offer from us will be invited to visit the School of Mathematics on one of our visit days, where we organise a range of activities to introduce you to mathematics at Bristol.

Further information

Find out more about the School of Mathematics

Website: [bristol.ac.uk/maths](https://www.bristol.ac.uk/maths)

Twitter: [@BristolUniMaths](https://twitter.com/BristolUniMaths)

Linked In: [linkedin.com/groups/8746473](https://www.linkedin.com/groups/8746473)

This information is correct at the time of printing (May 2019), but we recommend you check the University website for the latest information: [bristol.ac.uk/ug20-maths](https://www.bristol.ac.uk/ug20-maths).



Read more about how we support you when you are here:

[bristol.ac.uk/students](https://www.bristol.ac.uk/students)