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Undergraduate degree courses

What is Mathematics?

Mathematics is a systematic way of structuring thought and arguments, which is tied closely to a coherent body of associated knowledge. Study mathematics and you will acquire a broad range of skills, such as logical thinking and problem solving. These will help you in your academic life, and as you progress in your future career. You will be able to see how mathematics touches our everyday lives by playing a key role in engineering, biology, management, economics, medicine and the social and behavioural sciences.

Mathematics at Birmingham

The School of Mathematics is consistently ranked in the top 10 amongst Mathematics departments in the United Kingdom. Our teaching is backed up by ground breaking research in many areas of mathematics, such as fluid dynamics, analysis and group theory. At Birmingham, you will be taught by academics who are global experts in their fields. You will benefit from their varied research interests, which influence the programmes they teach.

Careers

Mathematics students at Birmingham come from a wide variety of backgrounds and go into an equally diverse range of careers – there are very few jobs that a maths graduate cannot do. Maths graduates go into the financial sector, for example accountancy, actuarial work, management consulting and banking, and some go into more general areas of business and management. You could also work in areas of industry where mathematics is applied, or in information technology. Alternatively you may want to use your degree as a springboard to other study. Many graduates go on to do a postgraduate teacher training course, or study for an MSc or PhD in a variety of subjects.

Degree Courses

Single Honours

- **BSc (Hons) Mathematics (/undergraduate/courses/maths/mathematics.aspx)** G100
- **MSci (Hons) Mathematics (/undergraduate/courses/maths/mathematics-MSci.aspx)** G103
- **BSc (Hons) Mathematics with a Year Abroad in Continental Europe (/undergraduate/courses/maths/mathematics-europe.aspx)** G141

Major/Minor

- **BSc (Hons) Mathematics with Business Management (/undergraduate/courses/maths/mathematics-business.aspx)** G1N2
- **MSci (Hons) Mathematics with Business Management (/undergraduate/courses/maths/mathematics-business-msci.aspx)** G1NF

Joint Honours

- **BSc (Hons) Mathematics and Computer Science (/undergraduate/courses/maths/maths-computer-science.aspx)** GG14
- **MSci (Hons) Mathematics and Computer Science (/undergraduate/courses/maths/maths-computer-science-msci.aspx)** GI11
- **BSc (Hons) Mathematics and Computer Science with Industrial Year (/undergraduate/courses/maths/maths-computer-science-industrial.aspx)** GGD4
- **MSci (Hons) Mathematics and Computer Science with Industrial Year (/undergraduate/courses/maths/maths-computer-science-industrial-msci.aspx)** GG41
- **BSc (Hons) Mathematics and Sport Science (/undergraduate/courses/maths/maths-sport-joint.aspx)** GC17
- **BSc (Hons) Theoretical Physics and Applied Mathematics (/undergraduate/courses/physics/theoretical-physics-applied-maths.aspx)** FG31
- **MSci (Hons) Theoretical Physics and Applied Mathematics (/undergraduate/courses/physics/theoretical-physics-applied-maths-msci.aspx)** F3DG
- **BA (Hons) French Studies and Mathematics (/undergraduate/courses/jointhonours/mathematics-and-philosophy.aspx)** GR11
- **BA (Hons) Mathematics and Music (/undergraduate/courses/jointhonours/mathematics-and-music.aspx)** GW13
- **BA (Hons) Mathematics and Philosophy (/undergraduate/courses/jointhonours/mathematics-and-philosophy.aspx)** GV15

Foundation Courses

- **Mathematics Foundation Year (/undergraduate/courses/fd/mathematics-foundation.aspx)** G101

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