



Postgraduate Mathematics courses



Mathematics

Join us for your postgraduate studies and you will work alongside internationally renowned academics whose research spans a broad range of pure mathematics, applied mathematics and statistics.

Why study Mathematics at Birmingham?

In both industry and academia there is an increasingly urgent need for a new generation of scientists with advanced mathematics skills. Our taught and research programmes are designed to prepare you for a successful career in your chosen field.

Applications of Data Science MSc (Online)

Advance your career at the University of Birmingham in a range of digital media, communications, cultural, and creative industries. Apply today.

Financial Data Science MSc (Dubai)

Propel your career in the financial sector to new heights. With a blend of finance, mathematics, statistics and data science, you'll gain practical experience in harnessing data to inform decisions.

Applied Mathematics MRes

This Applied Mathematics Master of Research (MRes) programme involves both taught classes in Applied Mathematics and a substantial MRes thesis which accounts for almost two-thirds of the total degree.

Applied Mathematics MSc

Most things in the real world are complex, from biological systems to the financial markets to industrial processes. Applied Mathematics MSc will equip you with the tools to understand these systems.

Applied Mathematics PhD

The Applied Mathematics Research Group works on a wide variety of topics in a range of areas such as fluid mechanics, mathematical biology, financial mathematics and computational mathematics.

Financial Data Science MSc

This Financial Data Science programme is a ground-breaking fusion of finance, mathematics, statistics, and data science designed to propel your career in the financial industry to new heights

Financial Engineering MSc

This Financial Engineering Masters programme provides the skills that will enable technically able graduates to apply their quantitative training to financial analysis now offers a January start.

Management Mathematics MRes

Our Management Mathematics MRes programme involves both taught classes in Management Mathematics and a substantial MRes thesis which accounts for almost two-thirds of the total degree.

Management Mathematics PhD

Management Mathematics PhD - our focus is on mathematical theory and methods applicable to managerial decision-making, particularly non-linear, discrete, and multicriteria optimisation. Learn more.

Mathematical Finance MSc

The Mathematical Finance MSc, taught by School of Mathematics and Department of Economics, provides the skills that will enable graduates to apply their quantitative training to financial analysis.

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