

Department of Statistics

The Department of Statistics has teaching and research strengths in a wide range of modern areas of statistical science. It has experienced an exciting period of growth and development in recent years, making it one of the strongest in the UK. Oxford Statistics was the top-ranked Statistics group in the last UK Research Assessment Exercise (RAE). We had the highest proportion and volume of top-rated research activity.

A Mathematics and Statistics degree from the University of Oxford features one of the most exciting and fast-moving areas of modern mathematics.

It opens a host of interesting and rewarding possibilities for your career and gives you skills that are much in demand.



DEPARTMENT OF
STATISTICS
UNIVERSITY OF OXFORD

What's next?

Come to an Open Day and find out for yourself what Oxford is really like. Open days offer a great opportunity to visit the University, departments and colleges, and meet tutors and students. See www.ox.ac.uk/admissions/undergraduate_courses/open_days for general information and www.maths.ox.ac.uk/events/open-days for details of Mathematical Institute Open Days. These include talks specifically on the Mathematics and Statistics degree.

The following colleges will accept applications for the Mathematics and Statistics course:

Brasenose, Christ Church, Corpus Christi, Exeter, Jesus, Keble, Lady Margaret Hall, Lincoln, Magdalen, Mansfield, Merton, New College, Queen's, St Anne's, St Catherine's, St Edmund Hall, St Hilda's, St Hugh's, St John's, St Peter's, Somerville, Trinity, University, Wadham and Worcester.

www.admissions.ox.ac.uk

Email: undergraduate.admissions@admin.ox.ac.uk

Tel: +44 (0)1865 288000

Undergraduate Admissions Office, Wellington Square, Oxford OX1 2JD, UK

You will need to complete a UCAS application online at www.ucas.com. Please consult your school or college for further details.

www.ucas.com

Email: enquiries@ucas.ac.uk

Tel: +44 (0)871 468 0468

Customer Service Unit, UCAS, PO Box 28, Cheltenham, GL52 3LZ

The UCAS code number for Oxford is OXF 033.

The UCAS code for the Mathematics and Statistics course is GG13 MSTMMTH.

(Your application makes no distinction between the three year BA and the four year MMath, and you can wait until your third year before deciding whether to complete a BA that year or to proceed to a four year MMath degree.)

After you have applied you will need to sit a mathematics entrance test which will be held in your school or college in late October or November.

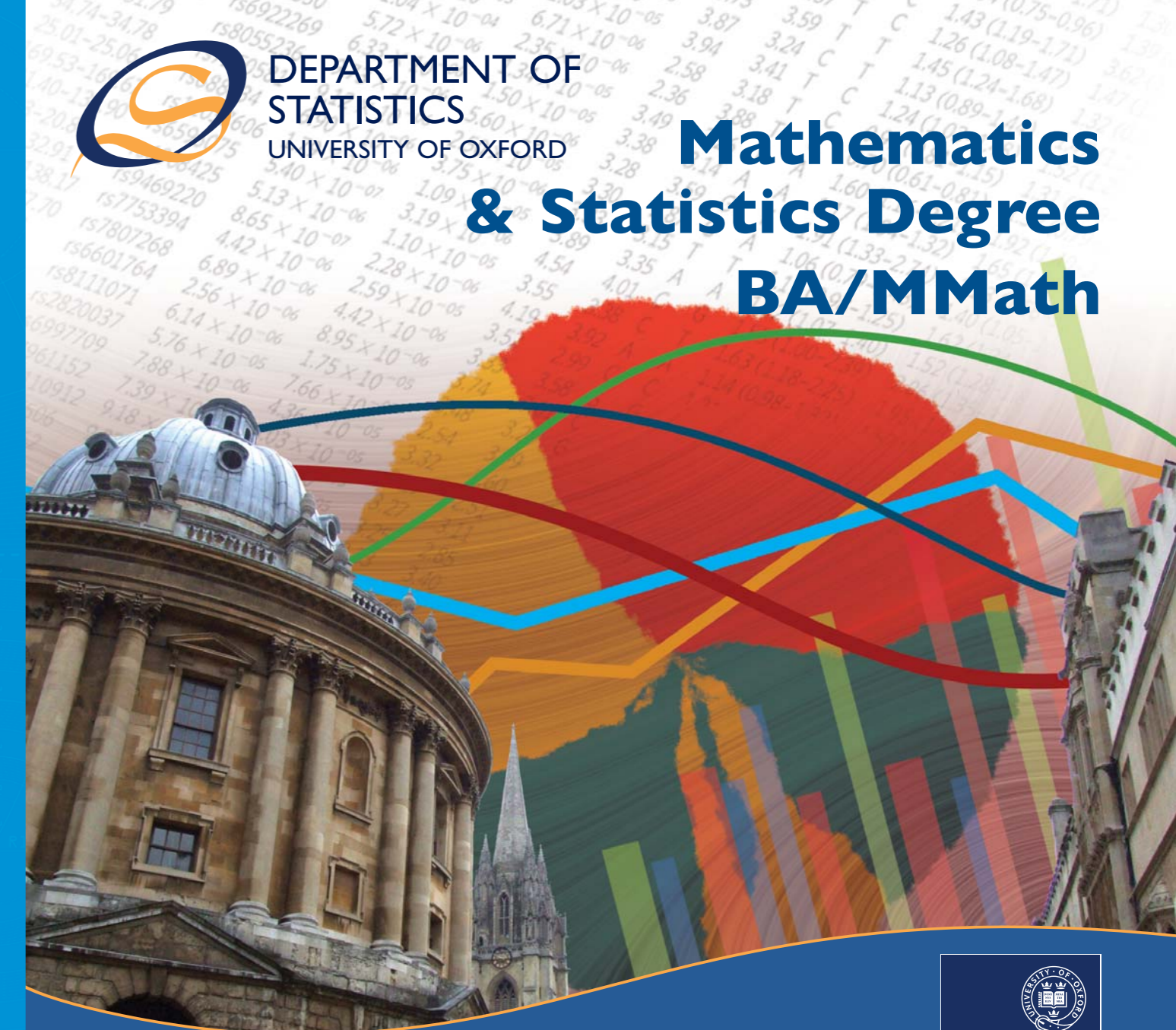
Further information on the admissions process can be found at www.ox.ac.uk/admissions/undergraduate_courses

Information contained in this publication is subject to change.



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Mathematics & Statistics Degree BA/MMath



www.stats.ox.ac.uk



Exciting Mathematics for the modern world

Probability and statistics are relatively new branches of mathematics. Both have grown enormously in importance recently.

Probability is the mathematics of randomness, born from the desire to understand games of chance, like roulette, cards, and dice. Today probability plays a central role in the design of computer and telecommunications networks, in modelling the spread of epidemics and in the financial and banking industries, where graduates are highly sought after.

Statistics focuses on the interpretation of data. Are global temperatures rising? What is the underlying inflation rate? Does the use of mobile phones increase the risk of cancer? Statisticians are needed in finance, industry, government, science and medicine. Statistical abilities are valuable in almost any sphere.

Introducing the Course

The course combines the strengths of the traditional Oxford Mathematics course with the ability to pursue probability and statistics in depth. It reflects the strong demand from employers for graduates with statistical knowledge.

A key feature of the course is its flexibility and transfer between Mathematics and Statistics and the straight Mathematics course is possible until well into the second year. You can wait until your third year before deciding whether to complete a BA that year or proceed to an MMath in the fourth year.

You can count on Oxford for an excellent education

Oxford is one of the world's premier universities. Everyone belongs to a college, all of which are small and friendly. The collegiate system combines lectures with personalised tutorials in groups of two or three students. Many of our academic staff are at the forefront of international research in their respective fields. Our students come from all walks of life and as a department we actively encourage applications by keen and able students from any background.



The Mathematics and Statistics Programme

The Mathematics and Statistics course has essentially the same structure as the straight Mathematics course, but with greater emphasis on statistically related subjects. For the first year and the first term of the second year, the courses are identical.

1st year

Algebra
Geometry
Analysis
Probability and statistics
Mechanics
Mathematical methods and applications

2nd year

Probability
Statistics
Algebra
Analysis
Differential equations
Choice of optional topics in pure and applied mathematics

3rd and 4th year

Large choice of courses:
• in probability and statistics
• in pure and applied mathematics
• in applications-based subjects such as mathematical finance, actuarial mathematics, Bioinformatics and Mathematical and Statistical Genetics
Statistics project (4th year)

Need to know more?

Visit our web site – www.stats.ox.ac.uk

The Mathematics and Statistics course is accredited by the Royal Statistical Society and graduates from the course can also gain exemptions from some of the professional examinations for the Institute of Actuaries, thus providing a head start for students thinking of entering these professions.

Other Mathematics courses at Oxford

In addition to the Mathematics and Statistics course, there are several other well-established mathematics courses at Oxford: Mathematics; Mathematics and Philosophy; and Mathematics and Computer Science. Visit www.ox.ac.uk/admissions/undergraduate_courses for further information.

