

# Maths @ UK unis - quick facts

## Top 20\*

1 Oxford	A*A*A	11 Strathclyde	BBB
2 Cambridge	A*A*A	12 Bath	A*AA
3 St Andrews	A*A*A	13 LSE	A*AA
4 Durham	A*A*A	14 Birmingham	AAA
5 Imperial	A*A*A/A*A*AA	15 Nottingham	A*AA
6 UCL	A*A*A	16 Manchester	A*AA
7 Warwick	A*A*A/A*A*AA	17 Glasgow	AAB
8 Edinburgh	A*AA	18 Loughborough	AAB
9 Lancaster	AAA	19 Exeter	AAA
10 Heriot-Watt	BBB	20 Southampton	AAA

\* Complete University Guide April 2020

## Must haves

Maths A Level. The most competitive, high tariff universities will require further maths and you may have to take one or two STEP papers, the MAT or a TMUA or AEA maths qualification. Physics A Level is also favoured at some universities.

## Other degrees to consider

Mathematics & statistics, applied mathematics, computer science, economics. Maths is a reasonably neutral subject, so it can be combined easily with other subjects. Joint honours like maths & English, maths & Spanish or maths & music are a few of the increasingly broad range of degrees available.

## Example course modules

In the first year many courses cover the main areas of maths - pure, applied, statistics and probability. Throughout the degree you might continue to study these topics as well as modules including linear algebra, calculus, programming, dynamics, discrete maths, mathematical physics, number theory, mathematical modelling, geometric topology, actuarial mathematics, algorithms, coordinate and vector geometry, differential equations, regression and anova, analytical and computational foundations, and problem-solving methods.

**Contact hours per week:** 13-21, average 16. (Average all subjects 14.)

## Career prospects

As a main motive for many students to study certain subjects, the potential pay for maths graduates is a definite bonus factor, helped by the versatile nature of the skills involved - numeracy, logical thinking and an analytical approach to problem solving. You'll also learn to present complex and technical ideas verbally and in writing. All of these skills mean that graduates in mathematical sciences are highly sought after. Maths graduates often go into finance, insurance, actuarial analysis, data science, computing, management, government, the Civil Service and teaching.

**Average starting salary:** £23,000