

Themes and Topics

- ▶ “Applicable Mathematics”: Calculus, Linear Algebra (vectors and matrices), Differential Equations, Numerical Analysis, . . .
- ▶ “Pure Mathematics”: Analysis, Algebra, Number Theory, Geometry, Topology, . . .
- ▶ Probability and Statistics
- ▶ Mathematical Physics: Classical Mechanics, Fluid Dynamics, Electromagnetism, Quantum Theory, Special and General Relativity, . . .
- ▶ Finance
- ▶ :
- ▶ Electives: take a few modules from any other department in the University

Some Particular Modules

First Year: Mathematical Computing Skills Fully online so you can work at your own pace but with timetabled sessions in a computer room for help.

Second year: Recent Advances in Mathematics Mathematics is a living subject: learn about some more recent developments.

Third and Fourth Year: Projects Over 150 titles including

- ▶ Curved Space, Curved Spacetime
- ▶ Why do aeroplanes fly?
- ▶ Can you beat the stock market?
- ▶ Fractals
- ▶ Warfare Modelling

or you can suggest your own title.

Fourth Year: Directed Learning in Mathematics A small group of students (2–4) choose a topic and study it together, with the assistance of a lecturer.

Teaching and learning: independent work increases through the programme

Term 1 Lectures, tutorials, computer practicals

Terms 2–6 Lectures, seminars, computer practicals, mini-projects

Terms 7–11 Lectures, problem classes, office hours, computer practicals, project work and supervision, . . .

Combined-honours students can often take modules a year “late”, e.g. a term 2 module in term 5.

Options: choice increases throughout the programme

Single-Subject Credit Balance (BA/BSc)

Year 1	Year 2	Year 3
120 compulsory	80 compulsory	40 project
	40 optional	80 optional
	(from about 70–80)	(from many)













Single-Subject Credit Balance (MMath)

Year 1	Year 2	Year 3	Year 4
120 compulsory	80 compulsory		40 project
	40 optional	120 optional	80 optional
	(from about 70–80)	(from many)	

Degree Results 2005/06 (Mathematics and All Combinations)

I	39	(28%)	
II(i)	48	(35%)	
II(ii)	37	(27%)	
III	13	(9%)	
O	2	(1%)	

Destinations 2000–2004

Finance	92	(25%)	
Teacher Training	68	(18%)	
Higher Degrees	67	(18%)	
Computing/IT	29	(8%)	
Management: Industry	22	(6%)	
Scientific/Engineering	11	(3%)	
Education	10	(3%)	
Creative/Media	5	(1%)	
Social/Welfare	5	(1%)	
Administration: Public Sector	5	(1%)	
Library	1	(<1%)	
Information/Research	1	(<1%)	
Other Employment	58	(16%)	