

## What prospects does a Maths degree give you?

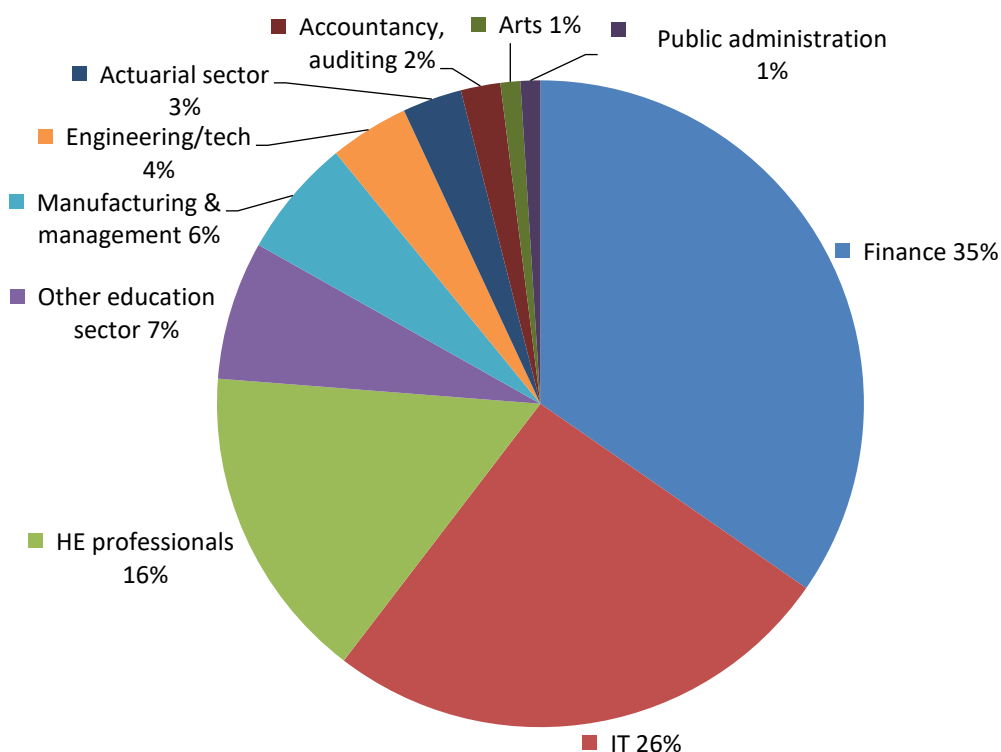
Employers greatly value the strong analytical and problem-solving skills that Mathematics graduates have. Mathematics is at the heart of a wide range of careers and underpins many others.

The table below\* shows how Cambridge Maths graduates compare with graduates from other Russell Group universities fifteen months after graduating (*no. of students surveyed for job data in bracket*):

|                                       | University of<br>Cambridge<br>(20) | Oxford<br>University**<br>(35) | University of<br>Warwick<br>(65) | Imperial<br>College<br>London<br>(20) | UCL<br>(30) |
|---------------------------------------|------------------------------------|--------------------------------|----------------------------------|---------------------------------------|-------------|
| % in a professional or managerial job | 95%                                | 95%                            | 89%                              | 85%                                   | 90%         |
| Average Salary                        | £40,000                            | £35,000**                      | £34,500                          | £40,000                               | £35,000     |
| % on the course after 1 year          | 100%                               | 97%                            | 91%                              | 93%                                   | 92%         |

## What do Mathematicians Do?

A Mathematics degree opens doors to careers in areas as diverse as finance, medical technology, teaching, software development and many more. Below is a chart of the most common careers graduates from the Cambridge Maths course have gone into, based on data from 2017-2020:



\* latest Discover Uni data: 2022-23

\*\* figures for Oxford University available for MMath only

Cambridge is consistently ranked amongst the leading universities in international league tables, reflecting a world-wide reputation for outstanding academic achievement and world-class original research in mathematics. You will be taught by top-class researchers whose academic work and real-life industry experience inform their teaching and directly benefit students.

The Mathematics Faculty has a wide interdisciplinary network of industrial, academic and business partners. You will have many opportunities to get experience helpful for your career through established schemes such as:

- **Summer Undergraduate Research Opportunities**  
(for 2nd and 3rd year students)
- **Post Master Placement**  
(for 4th year students)

and through internships and research projects with industry or other Cambridge Departments organised by individual research groups, or by the University Careers Service, or yourselves.

“Studying mathematics at Cambridge has helped me in a number of ways. Of course, the specific subject matter from some courses can be useful. In addition, being able to solve problems and understand logical arguments is an important skill. But also, the experience of having to deal with difficult work, not always with a clear path forward laid out, has been an important grounding for real-world work. It has made me relish tackling situations where the best course forward is not obvious and a combination of creativity and hard work is called for”.

Tim Hennock, MMath

“While during my studies I had plenty of experience with problem solving, this work was usually little more than exercise; many people had solved those same problems before me, and many more will after. The problem solving involved in this project was much more exciting, as I was working on problems that few people had looked at before, and whose answers people might be able to use in the future”.

*(Mitchell Gooding, Post Master Placement at the Judge Business School)*

“As I always had a strong interest in biology, my aim was (and still is) to work on the interface between biology and maths, after Part III. Given that I specialised in Pure Mathematics, this was a significant change, and the Post Master Placement helped enormously to make this transition as smooth as possible. I had the opportunity to appreciate how different areas of mathematics, both pure and applied, can be readily applied to biological research. And not only that: I received lab training and designed and carried out experiments, gaining valuable lab experience.”

*(George Artavanis, Post Master Placement at the Sainsbury Laboratory for plant science)*



The Sainsbury Laboratory



BIOS and the R/V Atlantic Explorer

“I spent 12 weeks at the Bermuda Institute of Ocean Sciences (BIOS) through a fully funded internship. My project considered the development of a model of heat, salinity and dissolved carbon fluxes both through forcing at the surface (weather effects) and advection in the bulk. My stay also included participation in one of the cruises collecting data offshore, which was also a very interesting experience. I was joined by a large number of biological interns mostly from the US and Canada. The people at the institute were very friendly and I enjoyed my stay very much. I would definitely encourage any aspiring fluid dynamicist to apply!”

*(Alex Chamolly, Cambridge Cawthorn Internship for undergraduates - available every other year)*

You will have many other opportunities to gain a wide range of useful skills.

Above all, the challenging nature of the work you will do here is the best preparation for any career: you will develop the ability to think on your feet, be creative, make connections between different topics and persevere until you crack difficult problems.