

Mathematical sciences

SUMMARY

There are over 1,400 courses to choose from, in subject areas such as:

- mathematics
- operational research
- statistics

“ Conversion courses are designed for people whose undergraduate degrees did not contain much mathematics or statistics. If your undergraduate degree contained little or no statistics, you might need to take extra units at or before the start of the MSc to bring you up to speed.’

(Royal Statistical Society)

“ There is enormous demand for people with postgraduate qualifications in statistics. MSc degrees are highly marketable throughout industry, business, and commerce. For example, there are very many opportunities in medical statistics, in medical research organisations, and in the pharmaceutical industry in general’.

(Royal Statistical Society)

RESEARCH

- **MRes** – 18 months to three years full-time.
- **MSc** – one year full-time.
- **MPhil** – one to two years full-time
- **PhD** – three to four years full-time, seven to eight years part-time

TAUGHT

- **MSc** – one year full-time, two years part-time.

For more information, go to www.ucas.com/postgraduate/what-to-study.

WHO STUDIES MATHEMATICAL SCIENCES?

Total number of students – **5,930***



■ UK students ■ International students ■ Part-time
■ Full-time ■ Age: up to 24 ■ Age: 25+

*Total number of students studying mathematical sciences for the 2013/14 academic year.

**Other includes postgraduate diplomas, certificates, and professional qualifications, Postgraduate Certificate in Education (PGCE), level 7 Diploma in Teaching in the Lifelong Learning Sector, higher education provider postgraduate credits, and non-formal postgraduate qualifications.

continued on the next page...

Mathematical sciences continued...

CAREER AREAS

Key areas of employment include:

- banking and finance
- business consulting and management
- construction and engineering
- IT and computing
- local and central government
- pharmaceuticals
- teaching and research

Related careers:

- actuary
- chartered accountant
- investment analyst
- operational researcher
- research scientist
- software tester
- statistician
- teacher (further / higher education)



PEOPLE WHO STUDIED MATHEMATICAL SCIENCES WENT ON TO WORK IN...*

Total number of people – 495**

| | | | |
|---|--|---|--|
| 5.05% Manufacturing | 1.01% Electricity, gas, steam, and air conditioning supply | 1.01% Construction | 2.02% Wholesale and retail trade; repair of motor vehicles |
| 1.01% Transport and storage | 1.01% Accommodation and food service activities | 10.1% Information and communication | 17.7% Financial and insurance activities |
| 15.15% Professional, scientific, and technical activities | 1.01% Administrative and support service activities | 4.04% Public administration and defence, compulsory social security | 34.34% Education |
| 3.03% Human health and social work activities | 2.02% Arts, entertainment, and recreation | 1.01% Other service activities | 1.01% Unknown |

*Source: HESA DLHE tables (2013/14)

**UK domiciled leavers who obtained postgraduate qualifications and were in employment for the academic year 2013/14.

“ Even if the postgrad maths qualification you gain is not immediately relevant to your career direction, you should develop good skills in time management and project planning, communication, data analysis, and so on. These are all highly sought after transferable skills in any job.’

(Institute of Mathematics and its Applications)

ASSOCIATED PROFESSIONAL BODIES

Institute of Mathematics and its Applications
www.mathscareers.org.uk/

Royal Statistical Society
www.statslife.org.uk/careers/your-career-stage/career-stage-university