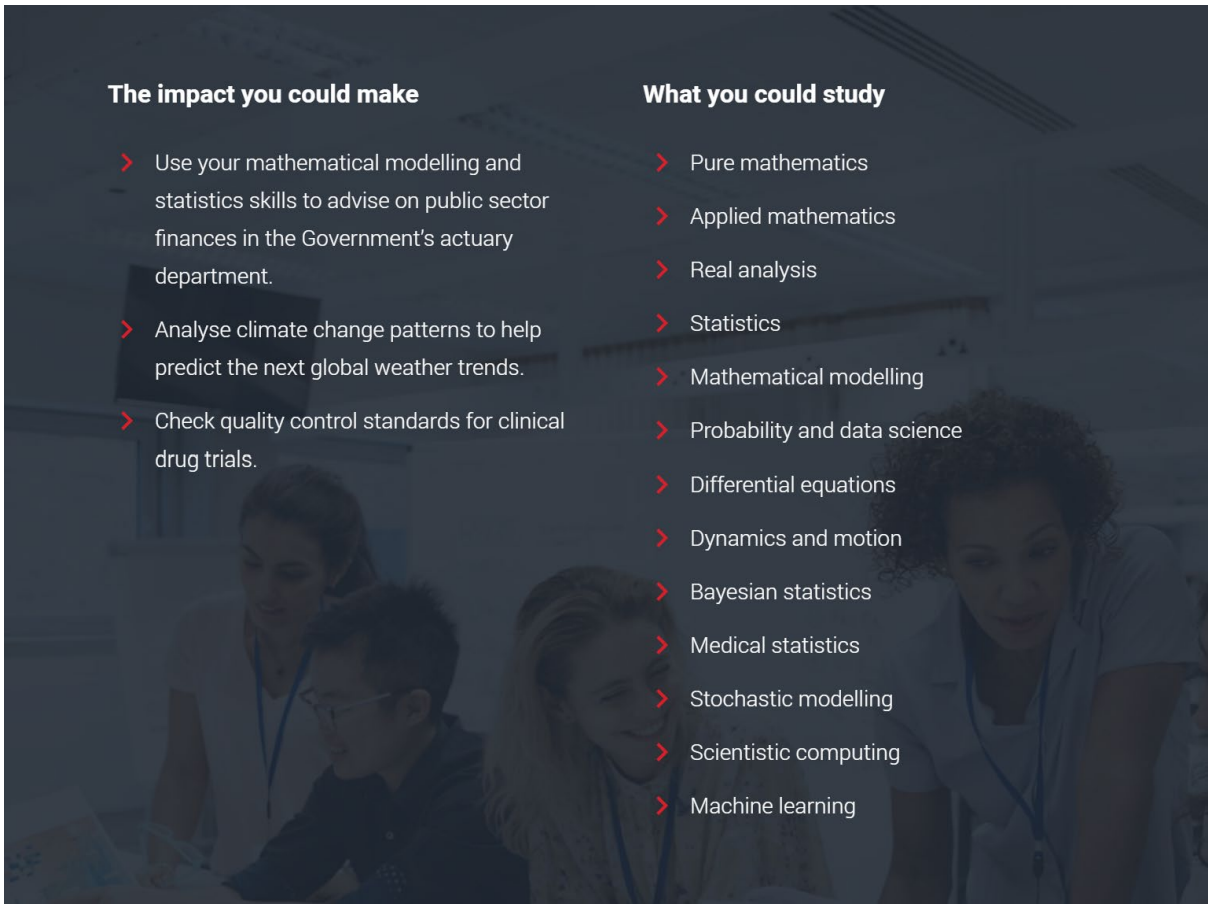
Mathematics & Statistics

As a mathematician or statistician you'll use your problem-solving, analytical, and technical skills to help businesses in a range of sectors, from finance to government. Your interpretations could be used in anything from clinical trials, to climate predictions, to financial forecasting.

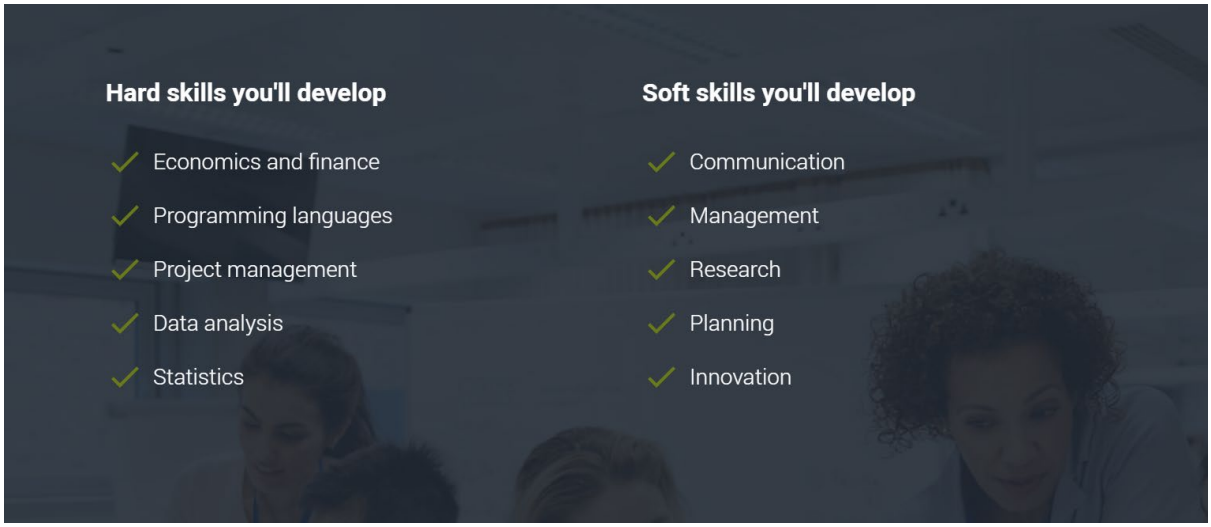
You could end up in a management role, leading a team, or become self-employed as a consultant or financial adviser. You could also go on to further study, teaching or academic research, or work as a data scientist.



Subjects it's useful to have studied first

Some mathematics and statistics courses or apprenticeships will have requirements for previous qualifications in certain subjects. Entry requirements vary, so always check with the provider.

- **Maths/Further maths**
- **Physics**
- **Chemistry**
- **Biology**
- **Economics**
- **Computer science**



Hard skills you'll develop

- Economics and finance
- Programming languages
- Project management
- Data analysis
- Statistics

Soft skills you'll develop

- Communication
- Management
- Research
- Planning
- Innovation

Available jobs

67,169 vacancies in the past year

5.80% growth over next eight years

Average salary

£43,077

Up to £76,842

Career options

Banking and finance

- Chartered accountant
- Bank clerk
- Investment analyst
- Insurance underwriter

Business consulting and management

- Actuary
- Financial manager

IT, construction, and science

- IT manager
- Software developers and programmers
- Quantity surveyor

Teaching and research

- Research manager
- Teacher – further/higher education

Getting in: Entry requirements

Find out more about what you'll need to study accounting and finance at university or as an apprenticeship.

Average requirements for undergraduate degrees

Entry requirements differ between university and course, but this should give you a guide to what is usually expected from mathematics and statistics applicants.