ONE OF THE TOP 100 UNIVERSITIES IN THE WORLD

A MEMBER OF THE RUSSELL GROUP OF RESEARCH-INTENSIVE UK UNIVERSITIES

IN THE TOP 5 OF THE RUSSELL GROUP FOR STUDENT SATISFACTION (NSS 2019)

FOUR-YEAR DEGREE PROGRAMMES OFFERING FLEXIBILITY & CHOICE

29,000 STUDENTS FROM MORE THAN 140 COUNTRIES

250+ CLUBS AND SOCIETIES

How to apply
For full-time study you must apply through the Universities & Colleges Admissions Service (UCAS). See ucas.com.
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Mathematics & Statistics at Glasgow

Our student facilities
The School of Mathematics & Statistics moved to a new building with state-of-the-art facilities in 2017. It was the first building to be opened as part of the University’s £1bn campus redevelopment project.

Our purpose-built modular building provides:
- A large study and social interaction space on the ground floor.
- Postgraduate study and collaboration space featuring a presentation wall, group-work tables and study booths.
- A flexible space for workshops and different forms of teaching.
- Two lecture theatres/seminar rooms.
- Three computer labs used for practical classes and equipped for group work.
### MATHEMATICS

Mathematics is a vast and ever-growing subject which incorporates successful explorations of numerical, geometrical and logical relationships.

A key feature of our degree programmes is the flexibility to study for a combined degree with large numbers of subjects from across the University. Particularly common combined degree combinations include Physics, Chemistry and Economics, but in recent years students have also completed combined degrees in subjects such as English, French, Music and Philosophy. Availability of certain courses in combined Honours programmes may be subject to timetabling restrictions.

**Year 1**
You will take a 40-credit course covering matrices, linear equations, probability, complex numbers, vectors and calculus. You will develop mathematical communication skills through regular small group problem-solving activities.

You will also study other subjects in years 1 and 2.

**Year 2**
Courses cover multivariable calculus, linear algebra, topics in applied mathematics, classical mechanics and mathematical modelling, introduction to real analysis, topics in pure mathematics including groups, transformations and symmetries. You can also choose to take optional mathematics courses on graphs and networks, and number theory.

**Years 3, 4 and 5**
If you progress to Honours (years 3 and 4), you will study for a combined degree with large numbers of subjects from across the University. Particularly common combined degree combinations include Mathematics, Computing Science, Economics, and Finance, but in recent years students have also completed combined degrees in subjects such as Management, Psychology and Geography. Availability of certain courses in combined Honours programmes may be subject to timetabling restrictions.

### STATISTICS

Statistics is the science of collecting, analysing, presenting and interpreting data.

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**Year 1**
You will take courses covering topics in probability and introductory statistical methods, with examples and case studies illustrating how statistics is used in practice in the real world.

**Year 2**
You will take four courses covering topics in statistical methods and probability, introducing the ideas of likelihood and regression modelling.

**Years 3, 4 and 5**
If you proceed to Honours (years 3 and 4) you will study theory and practical training, which involves project planning, report writing and the development of presentational skills. General topics covered across courses include probability, modelling, design, inference, Bayesian methodology, and a range of applications including biostatistics, environmental statistics and financial statistics.

You will also complete case studies and projects on topics which may be drawn from the fields of bioinformatics, environmental studies, medicine, psychology, sports science and veterinary science. One important feature of project activities is a presentation. You will give a talk describing your project problem, your analyses and results. This, along with writing a report in non-technical language, provides you with two important transferable skills. You will also gain experience in teamwork and learn to use statistical packages, as well as gaining appreciation of the use and misuse of computers and computer software in statistics.

### Why choose Glasgow?

Our ambassador scheme gives students the chance to spend time in schools, experiencing teaching at first hand and developing vital workplace skills.

### Entry requirements

Our programme webpages advertise the most up-to-date detail on our entry requirements for 2021-22 entry at glasgow.ac.uk/undergraduate.

Due to the impact that the COVID-19 pandemic has had on grades certified in 2020, we are currently assessing the flexibility that we can offer in the consideration of academic entry requirements. We will publish any changes on our webpages.

### Why choose Glasgow?

Our programmes are accredited by the Royal Statistical Society and have been constantly recognised for the diversity of the project work by our external examiners.
ACCOUNTING & MATHEMATICS

Accounting is the process of collecting, measuring, analysing and communicating information to aid decision making within business and other organisations. Mathematics incorporates successful explorations of numerical, geometrical and logical relationships.

BSc (Hons) (NG4C): Four years

Years 1 and 2
You will take courses in:
• Economics
• Finance
• Financial accounting
• Management accounting
• Mathematics
• Statistics.

Years 3 and 4
Students who qualify for Honours (years 3 and 4) will take a range of core and optional courses including:
• Algebra
• Mathematical methods 1
• Metric spaces and basic topology
• Advanced financial accounting practices
• Audit theory and practice.

In fourth year you will also undertake a research project/dissertation, usually supervised within the School of Mathematics and Statistics, although a limited number of projects will be supervised by the Adam Smith Business School.

Partnership and industry links
The University has close links with professional bodies and employers, many of whom offer placement opportunities to students. Some professional firms run presentations and drop-in sessions for prospective graduates and also run separate events to give you a chance to interact with their staff.

Our international links
You will have the opportunity to study abroad at one of our partner universities as part of your degree. This won’t add any extra time to your studies.

Why choose Glasgow?
Although you will not be a qualified accountant when you graduate, this degree offers exemption from some professional accounting exams.

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Career prospects
The financial sector, locally and throughout the UK, actively recruits graduates skilled in all aspects of mathematics, and a significant number of our Honours graduates find employment in the commercial sector, in insurance, accounting, finance or banking.

Our recent graduates have been employed by PricewaterhouseCoopers, Grant Thornton, Alexander Sloan, Cigna, Deloitte, Royal Bank of Scotland and Credit Suisse.

ACCOUNTING & STATISTICS

Accounting is the process of collecting, measuring, analysing and communicating information to aid decision making within business and other organisations. Statistics is concerned with the drawing of objective conclusions from investigations where outcomes are subject to uncertainty or variability.

BSc (Hons) (GN34): Four years

Years 1 and 2
You will take courses in:
• Economics
• Finance
• Financial accounting
• Management accounting
• Mathematics
• Statistics.

Years 3 and 4
Students who qualify for Honours (years 3 and 4) will take a range of core and optional courses, including courses in accounting and statistics.

In fourth year you will also undertake a dissertation supervised within the Adam Smith Business School.

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**FINANCE & MATHEMATICS**

Finance is the study of the theory and practice of financial decision making. Mathematics incorporates successful explorations of numerical, geometrical and logical relationships.

FINANCE & STATISTICS

Finance is the study of the theory and practice of financial decision making. Statistics is a scientific discipline that is concerned with the drawing of objective conclusions from investigations where outcomes are subject to uncertainty or variability.

**FINANCE & MATHEMATICS**

**BSc (Hons) (NG3C): Four years**

**Years 1 and 2**

You will take courses in:
- Mathematics
- Statistics
- Financial accounting
- Economics
- Management accounting
- Finance.

**Years 3 and 4**

If you progress to Honours (years 3 and 4) you will take a range of core and optional courses including:
- Algebra
- Mathematical methods 1
- Metric spaces and basic topology
- Capital markets
- International financial markets
- Financial statement analysis
- Financial markets and financial institutions.

In fourth year you will also undertake a research project/dissertation, usually supervised within the School of Mathematics & Statistics, although a limited number of projects will be supervised by the Adam Smith Business School.

**Partnership and industry links**

The University has close links with professional bodies and employers, many of whom offer placement opportunities to students. Some professional firms run presentations and drop-in sessions for prospective graduates and also run separate events to give students a chance to interact with their staff.

**Why choose Glasgow?**

This programme will train you in both mathematics and finance, making you highly desirable to employers, and uses guest lecturers and tutors from the financial sector.

**Entry requirements**

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**Career prospects**

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**FINANCE & STATISTICS**

**BSc (Hons) (GN33): Four years**

**Years 1 and 2**

You will take courses in:
- Economics
- Finance
- Financial accounting
- Management accounting
- Mathematics
- Statistics.

**Years 3 and 4**

If you progress to Honours (years 3 and 4) you will take a range of core and optional courses, including courses in finance and statistics.

In fourth year you will also undertake a dissertation supervised within the Adam Smith Business School.

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[glasgow.ac.uk/ug/financestatistics](glasgow.ac.uk/ug/financestatistics)  maths-stats-teaching@glasgow.ac.uk

* Discover Uni (discoveruni.gov.uk), January 2020