This programme combines a thorough training in statistics with modules in economics and finance. The different components of the degree programme reinforce one another to provide a coherent and wide-ranging foundation in modern quantitative techniques useful for a career in finance.

### Key information

**Programme starts**
September 2021

**Location**
London, Bloomsbury

### Degree benefits

- London is the financial capital of Europe and a leading global financial centre. UCL is located close to the financial institutions in the City.

- Teaching is enhanced by the varied research interests of our academic staff, from the foundations of the subject to applications of statistics in science, medicine, industry, economics and finance.

- The department offers a friendly and supportive atmosphere, where small-group teaching and personal attention are available for all students.

### Accreditation

The Statistics, Economics and Finance BSc has been accredited by the Royal Statistical Society up until 2020/2021, subject to a passing a sufficient number of credits in Statistics modules.

### Degree structure

In each year of your degree you will take a number of individual modules, normally valued at 15 or 30 credits, adding up to a total of 120 credits for the year. Modules are assessed in the academic year in which they are taken. The balance of compulsory and optional modules varies from programme to programme and year to year. A 30-credit module is considered equivalent to 15 credits in the European Credit Transfer System (ECTS).

The statistics modules are drawn from the Statistics BSc degree. Your first year will include mathematics, statistics and some computing, which will be followed by increasing specialisation in statistics in the second and third years. The economics and finance components include a foundation in micro- and macroeconomics and financial accounting, and a range of options including modules in Money and Banking, Financial Computing, Econometrics and Economics of Finance.

Upon successful completion of 360 credits, you will be awarded a BSc (Hons) in Statistics, Economics and Finance.

Please note that the list of modules given here is indicative. This information is published a long time in advance of enrolment and module content and availability is subject to change.

#### YEAR ONE

**Compulsory module(s)**

- Economics I (Combined Studies)
- Calculus and Linear Algebra
- Calculus in Several Dimensions
- Accounting for Business
- Introduction to Probability and Statistics
- Further Probability and Statistics
- Introduction to Practical Statistics

**Optional modules**

- All first year modules are compulsory.

#### YEAR TWO

**Compulsory module(s)**

- Advanced Linear Algebra
- Probability and Inference
- Linear Models and the Analysis of Variance
- Introduction to Applied Probability
- Computing for Practical Statistics

**Optional modules**

- You will select at least one of the following:
  - Applied Economics
  - Economics II (Combined Studies)
  - Any remaining credits can be selected from a wide range of optional modules, which may include:
  - Managerial Accounting for Decision Making
  - Money and Banking
  - Optimisation Algorithms in Operational Research
  - Social Statistics
FINAL YEAR

Compulsory module(s)
- Statistical Inference
- Stochastic Methods in Finance I

Optional modules
- You will select your remaining credits from a wide range of optional modules, which may include:
  - Bayesian Methods in Health Economics
  - Corporate Financial Strategy
  - Decision and Risk
  - Economics of Finance
  - Economics of Information
  - Factorial Experimentation
  - Forecasting
  - Game Theory
  - Medical Statistics
  - Mergers and Valuation
  - Quantitative Economics and Econometrics
  - Quantitative Modelling of Operational Risk & Insurance Analytics
  - Stochastic Methods in Finance II
  - Stochastic Systems

Your learning

We employ a variety of teaching methods which include lectures, small-group tutorials, problem classes and computer workshops and e-learning. Lecturers have regular ‘office hours’ during which you are welcome to come and ask questions about the programme material.

Assessment

Most modules are examined at the end of the academic year in which they are taken using a combination of end-of-year examinations and in-course assessment. Prizes may be awarded to the most outstanding students in the first, second and third year.

Accessibility

Details of the accessibility of UCL buildings can be obtained from AccessAble. Further information can also be obtained from the UCL Student Support & Wellbeing team.

Your career

Together with subject-specific knowledge, the programme is designed to equip you with skills valued by employers including: advanced numeracy and quantitative skills, analytical and problem-solving skills, and computing skills. You will also develop your research skills, communication skills and word processing skills through statistical project work.

The demand for graduates with training in statistical science is now a permanent feature in both advanced and developing countries for jobs in finance, commerce, industry, research, education and government. Graduates from this department are well represented in all these fields, in this country and overseas, and recent graduates have continued to be successful in obtaining a wide variety of jobs.

Your application

Application for admission should be made through UCAS (the Universities and Colleges Admissions Service). Applicants currently at school or college will be provided with advice on the process; however, applicants who have left school or who are based outside the United Kingdom may obtain information directly from UCAS.

When we receive your application we will consider your academic record, your predicted grades, your personal statement and your reference. Your application should demonstrate high academic ability, particularly in mathematics, an informed interest in all components of your chosen degree programme and good communication skills. In special cases, candidates may be interviewed.
Entry requirements

A LEVELS
Standard Offer: A’AA. A* in Mathematics required. Further Mathematics preferred. If you are studying both then the A* can be in either subject.

GCSE: English Language and Mathematics at grade C or 5. For UK-based students, a grade C or 5 or equivalent in a foreign language (other than Ancient Greek, Biblical Hebrew or Latin) is required. UCL provides opportunities to meet the foreign language requirement following enrolment, further details at: www.ucl.ac.uk/ug-reqs.

Contextual Offer: A*BB. A* in Mathematics required. Further Mathematics preferred. If you are studying both then the A* can be in either subject.

GCSE: English Language and Mathematics at grade C or 5. For UK-based students, a grade C or 5 or equivalent in a foreign language (other than Ancient Greek, Biblical Hebrew or Latin) is required. UCL provides opportunities to meet the foreign language requirement following enrolment, further details at: www.ucl.ac.uk/ug-reqs.

IB DIPLOMA
Standard Offer: 39 points. A score of 19 points in three higher level subjects including grade 7 in Mathematics, with no score lower than 5.

Contextual Offer: 36 points. A score of 17 points in three higher level subjects including grade 7 in Mathematics, with no score lower than 5.

CONTEXTUAL OFFERS – ACCESS UCL SCHEME
As part of our commitment to increasing participation from underrepresented groups, students may be eligible for a contextual offer as part of the Access UCL scheme. For more information see www.ucl.ac.uk/prospectus.

OTHER QUALIFICATIONS
UCL considers a wide range of UK and international qualifications for entry into its undergraduate programmes. Full details are given at: www.ucl.ac.uk/otherquals.

UNDERGRADUATE PREPARATORY CERTIFICATES (International foundation courses)
UCL Undergraduate Preparatory Certificates (UPCs) are intensive one-year foundation courses for international students of high academic potential who are aiming to gain access to undergraduate degree programmes at UCL and other top UK universities.

Typical UPC students will be high achievers in a 12-year school system which does not meet the standard required for direct entry to UCL.

For more information see: www.ucl.ac.uk/upc.

TUITION FEES
The fees indicated are for undergraduate entry in the 2021/22 academic year. The UK fees shown are for the first year of the programme at UCL only. Fees for future years may be subject to an inflationary increase. The Overseas fees shown are the fees that will be charged to 2021/22 entrants for each year of study on the programme, unless otherwise indicated below.

UK: £9,250 (2021/22)

Overseas: £31,200 (2021/22)

Full details of UCL’s tuition fees, tuition fee policy and potential increases to fees can be found on the UCL Students website.

ADDITIONAL COSTS
This programme does not have any additional costs outside of purchasing books or stationery, printing, thesis binding or photocopying.

A guide including rough estimates for these and other living expenses is included on the UCL Fees and funding pages. If you are concerned by potential additional costs for books, equipment, etc., please get in touch with the relevant departmental contact (details given on this page).

FUNDING
The department offers an undergraduate scholarship, the EJ Gumbel Scholarship.

Various funding options are available, including student loans, scholarships and bursaries. UK students whose household income falls below a certain level may also be eligible for a non-repayable bursary or for certain scholarships. Please see the Fees and funding pages for more details.

CONTACT
Dr Elinor Jones

Email: undergraduate-admissions@ucl.ac.uk

Telephone: +44 (0)20 3370 1215

Department: Statistical Science

UK withdrawal from the EU
For up-to-date information relating to specific key questions following the UK’s withdrawal from the EU, please refer to: www.ucl.ac.uk/brexit.