STATISTICS BSc / UCAS CODE: G300
2018 ENTRY

www.ucl.ac.uk/prospectus/statsci
This programme is accredited by the Royal Statistical Society and provides a broad, thorough and intellectually challenging training in the theory and practice of statistical science. Skills in statistics are valued by a variety of employers and can be applied to various problems in science, medicine, technology, finance and economics.

### Key information

**Programme starts**
September 2018

**Location**
London, Bloomsbury

### Degree benefits

- The programme allows considerable flexibility through the choice of optional modules, and it may be possible to choose some modules from other UCL departments.
- The department offers a friendly and supportive atmosphere, where small-group teaching and personal attention are available for all students.
- The programme is accredited by the Royal Statistical Society (RSS) enabling you to be granted Graduate Statistician (GradStat) status if you achieve second-class honours or above.
- 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.

### Research Excellence Framework (REF) 2014

The Research Excellence Framework, or REF, is the system for assessing the quality of research in UK higher education institutions. The 2014 REF was carried out by the UK’s higher education funding bodies, and the results used to allocate research funding from 2015/16.

- 82% rated 4* ('world-leading') or 3* ('internationally excellent')

Learn more about the scope of UCL’s research, and browse case studies, on our [Research Impact website](#).

### Accreditation

This programme is accredited by the Royal Statistical Society. On application to the Royal Statistical Society, graduates are awarded Graduate Statistician (GradStat) status, providing formal recognition of a member’s statistical qualifications, subject to achieving second-class honours or above.

### Degree structure

In each year of your degree you will take a number of individual modules, normally valued at 0.5 or 1.0 credits, adding up to a total of 4.0 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 1.0 credit is considered equivalent to 15 credits in the European Credit Transfer System (ECTS).

During the course of your degree, theoretical studies are balanced with developing practical skills, including the use of specialist software. In your first year, you will study mathematics, statistics and some computing, which will prepare you for increased specialisation in statistics in years two and three.

Over the whole three years, theoretical studies are balanced with an emphasis on practical work (including the use of computers) and realistic illustration of theoretical concepts.

In the final year, there is considerable flexibility to bias your programme towards either the more mathematical or applied aspects of the subject. In particular, about one-quarter of your work will be on a project involving extensive research supervised by a member of staff within the Department of Statistical Science. Previous projects include the analysis of rainfall patterns in southern Africa, an analysis of data from a clinical trial and an analysis of volatility in financial markets.

#### YEAR ONE

**Core or compulsory module(s)**

- Introduction to Probability and Statistics
- Introduction to Practical Statistics
- Further Probability and Statistics
- Mathematics for Students of Economics, Statistics and Related Disciplines I
- Mathematics for Students of Economics, Statistics and Related Disciplines II

**Optional modules**

- You will select 1.5 credits from a wide range of optional modules. Options may include:
  - A Foreign Language module (Arabic, Dutch, French, German, Italian, Japanese, Mandarin or Spanish – all levels from beginner to advanced available)
  - Analysis 1
  - History of Modern Science
  - History of Science: Antiquity to Enlightenment
  - An Introduction to Applied Economic Analysis
  - Introduction to Social and Business Psychology
  - Science Policy

#### YEAR TWO

**Core or compulsory module(s)**

- Computing for Practical Statistics
- Introduction To Applied Probability
- Linear Models and the Analysis of Variance
- Mathematics for Students of Economics, Statistics and Related Disciplines III
- Probability and Inference

**Optional modules**

- You will select 1.5 credits of optional modules, including at least one of the following:
  - Optimisation Algorithms in Operational Research
  - Social Statistics

- Remaining credits can be selected from a wide range of undergraduate module options.
Data taken from the 'Destinations of Leavers from Higher Education' survey undertaken by HESA looking at the destinations of UK and EU students in the 2013-2015 graduating cohorts six months after graduation.
Entry requirements

A LEVELS

Grades
A*AA-AAA/A*AB

Subjects
A* in Mathematics, or AA in Mathematics and Further Mathematics, is required. Applicants offering A*AB including A*A in Mathematics and Further Mathematics respectively will also be considered.

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

Points
38-39 overall.

Subjects
A score of 18-19 points in three higher level subjects including grade 7 in Mathematics, with no score lower than 5.

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)

The 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 2018/19 academic year. The UK/EU fees shown are for the first year of the programme at UCL only. The Overseas fees shown are the fees that will be charged to 2018/19 entrants for each year of study on the programme, unless otherwise indicated below.

- UK & EU: £9,250 (2018/19)
- Overseas: £23,390 (2018/19)

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

FUNDING

The department offers an undergraduate scholarship, the Statistical Science 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

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EU referendum

For up-to-date information relating to specific key questions following the UK’s decision to leave the EU, please refer to: www.ucl.ac.uk/eu-referendum

Disclaimer

This information is for guidance only. It should not be construed as advice nor relied upon and does not form part of any contract. For more information on UCL’s degree programmes please see the UCL Undergraduate Prospectus at www.ucl.ac.uk/prospectus