ECONOMICS AND STATISTICS
BSc (Econ) /
UCAS CODE: LG13
2018 ENTRY

www.ucl.ac.uk/prospectus/statsci
This programme, run jointly with UCL Economics, combines an in-depth study of economics and econometrics with a solid grounding in mathematical and statistical methods. The programme is suitable for students of high mathematical ability who are considering a career in finance, business or industry.

Key information

Programme starts
September 2018

Location
London, Bloomsbury

Degree benefits

// London is the financial capital of Europe and a leading global financial centre, and 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.

// Our graduates are highly sought after in such areas as finance, commerce, industry, research, education and government, while many go on to successfully complete a Master’s or PhD programme.

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.

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).

This BSc is a joint degree programme taught in conjunction with UCL Economics. A first-year combination of statistics, economics and mathematics is followed by a roughly equal mix of statistics and economics modules (including econometrics) over years two and three. In the third year in particular, there is considerable flexibility in the range of options available in both economics and statistics.

YEAR ONE

Core or compulsory module(s)
- Economics I (Combined Studies)
- Introduction to Practical Statistics
- Introduction to Probability and 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
- Either Applied Economics or The World Economy

YEAR TWO

Core or compulsory module(s)
- Economics II (Combined Studies)
- Linear Models and the Analysis of Variance
- Mathematics for Students of Economics, Statistics and Related Disciplines III
- Probability and Inference
- Quantitative Economics and Econometrics

Optional modules
- Either Introduction To Applied Probability or Social Statistics

FINAL YEAR

Core or compulsory module(s)
- All final year modules are optional.

Optional modules
- You will select 4.0 credits from a wide range of options in UCL Economics and UCL Statistical Science. Options may include:
  - Bayesian Methods in Health Economics
  - Econometrics for Macroeconomics and Finance
  - Economics of Finance
  - Environmental Economics
  - Forecasting
  - Game Theory
  - Medical Statistics I
  - Medical Statistics II
  - Money and Banking
  - Optimisation Algorithms in Operational Research
  - Quantitative Modelling of Operational Risk & Insurance Analytics
  - Social Statistics
  - Stochastic Methods in Finance I
  - Stochastic Methods in Finance II
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 course 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.

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.

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.

First career destinations of recent graduates (2013-2015) of this programme at UCL include:

// Product Analyst, BNP Paribas
// Investment Banking Analyst, J.P. Morgan
// Risk Analyst, Deutsche Bank
// Tax Adviser, KPMG
// Full-time student, MPhil in Finance and Economics at University of Cambridge

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. Attendance at an open day may be required; in special cases, candidates may be interviewed.

We will decide whether to invite you to an applicant open day on the basis of our assessment of your application. Your visit will include an opportunity to meet staff and current undergraduates, a tour of UCL, a taster lecture and introductory talks about the department and degree programmes.
Entry requirements

A LEVELS

Grades
A*AA-AAA

Subjects
A* in Mathematics or AA in Mathematics and Further Mathematics required.

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

Dr Elinor Jones
Email: undergraduate-admissions@ucl.ac.uk
Telephone: +44 (0)20 3370 1215
Department: Statistical Science

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