BUSINESS ANALYTICS (WITH SPECIALISATION IN COMPUTER SCIENCE) MSc / 2017/18 ENTRY

www.ucl.ac.uk/graduate/compsci
Business Analytics (with specialisation in Computer Science) MSc /

This exciting and challenging programme studies how data can be utilised to solve major business and societal challenges. The programme provides students with the knowledge, technical ability and skills for leadership roles in the fields of business analytics and data science.

**Degree summary**

The programme is designed to give students multidisciplinary skills in computing (i.e. programming, big data), analytics (i.e. data mining, machine learning, computational statistics, complexity), and business analysis. Emphasis will be on business problem framing, leveraging data as a strategic asset, and communicating complex analytical results to stakeholders.

- UCL Computer Science is a global leader in research in experimental computer science. The 2014 Research Excellence Framework (REF) ranked the department as first in the UK for research, with 96% regarded as 'world-leading' or 'internationally excellent'.
- The department consists of a team of world-class academics specialising in big data, computational statistics, machine learning and complexity.
- The programme aims to create the next generation of outstanding academics and industry pioneers, who will use data analysis to deliver real social and business impact.

The programme is delivered through a combination of lectures by world-class academics and industry leaders, seminars, workshops, tutorials and project work. The programme comprises two terms of taught material, followed by examinations and then a project. Assessment is through unseen written examinations, coursework and the dissertation.

Further details are available on the subject website.

**Degree structure**

Mode: Full-time: 1 year
Location: London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of three core modules (45 credits), four or five optional modules (60 to 75 credits), up to one elective module (15 credits) and a dissertation (60 credits).

**CORE MODULES**
- Business Strategy and Analytics (15 credits)
- Data Analytics (15 credits)
- Programming for Business Analytics (15 credits)

**OPTIONAL MODULES**
- Students must choose a minimum of 60 and a maximum of 75 credits from Optional modules. A maximum of 15 credits may be taken from Electives.
- Consulting Psychology (15 credits)
- Consumer Behaviour (15 credits)
- Data Science for Spatial Systems (15 credits)
- Decision and Risk (15 credits)
- Decision and Risk Analysis (15 credits)
- Group Mini Project: Digital Visualisation (30 credits)
- Introduction to Machine Learning (15 credits)
- Mastering Entrepreneurship (15 credits)
- Statistical Design of Investigations (15 credits)
- Talent Management (15 credits)
- Urban Simulation (15 credits)
- Web Economics (15 credits)

Please note: the availability and delivery of modules may vary, based on your selected options.
A list of acceptable elective modules is available on the Departmental page.

**DISSERTATION/REPORT**
- During the summer students will undertake a work placement with a UCL industrial partner. The research and data analysis conducted during this placement will form the basis of a 10,000-word dissertation.
Your career

Graduates of UCL Computer Science are particularly valued due to the department’s international status, and strong reputation for leading research. Recent graduate destinations include: IBM, Samsung, Microsoft, Price Waterhouse Coopers, Citibank.

Employability

This programme is designed to satisfy the need, both nationally and internationally, for exceptional data scientists and analysts. Graduates will be highly employable in global companies and high-growth businesses, finance and banking organisations, major retail and service companies, and consulting firms. They will be equipped to influence strategy and decision-making, and be able to drive business performance by transforming data into a powerful and predictive strategic asset. We expect our graduates to progress to leading and influential positions in industry.
Entry requirements

A minimum of an upper second-class UK Bachelor’s degree (or overseas equivalent) in a quantitative subject as computer science, engineering, mathematics, physics or a quantitative social science subject.

Applicants must be proficient in object-orientated and/or analytical programming, have strong communication skills, and an outstanding aptitude for quantitative analysis.

**English language proficiency level**

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency.

The level of English language proficiency for this programme is: **Good**.

Information about the evidence required, acceptable qualifications and test providers is provided at: [www.ucl.ac.uk/graduate/english-requirements](http://www.ucl.ac.uk/graduate/english-requirements)

Your application

Students are advised to apply as early as possible due to competition for places. Those applying for scholarship funding (particularly overseas applicants) should take note of application deadlines.

When we assess your application we would like to learn:

// why you want to study Business Analytics at graduate level
// why you want to study Business Analytics at UCL
// what particularly attracts you to this programme
// how your academic and professional background meets the demands of this programme
// how you would like to use this degree to advance your research or career

Together with essential academic requirements, the personal statement is your opportunity to illustrate whether your reasons for applying to this programme match what the programme will deliver.

Successful applicants to this programme will be required to pay a tuition fee deposit dependent on their mode of study and fee status as given below:

// UK/EU full-time: £2,000
// UK/EU part-time: £1,000
// Overseas full-time: £2,000
// Overseas part-time: £1,000

Further details can be found on the [Fees and funding page](http://www.ucl.ac.uk/graduate/fees).

**FEES AND FUNDING 2017/18 ENTRY**

// UK: £14,910 (FT)
// EU: £14,910 (FT)
// Overseas: £24,610 (FT)

The tuition fees shown are for the year indicated above. Fees for subsequent years may increase or otherwise vary. Further information on fee status, fee increases and the fee schedule can be viewed on the UCL [Current Students website](http://www.ucl.ac.uk/graduate/fees).

Four MSc Scholarships, worth £4000 each, are made available by the Department of Computer Science to UK/EU offer-holders with a record of excellent academic achievement. The closing date is 30 June 2017. For more information, please see the department pages.

Full details of funding opportunities can be found on the UCL Scholarships website: [www.ucl.ac.uk/scholarships](http://www.ucl.ac.uk/scholarships)

**APPLICATION DEADLINE**

All applicants: 16 June 2017

Details on how to apply are available on the website at: [www.ucl.ac.uk/graduate/apply](http://www.ucl.ac.uk/graduate/apply)

**CONTACT**

Ms Samantha Bottomley, Teaching & Learning Administrator

Email: advancedmsc-admissions@cs.ucl.ac.uk

Telephone: +44 (0)20 7679 0328

**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](http://www.ucl.ac.uk/eu-referendum)