UNIVERSITY OF LONDON

LSE THE LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

Online BSc Data Science and Business Analytics

Awarded by the University of London

Academic Direction From the London School of Economics and Political Science

Overview

The University of London – a global leader in higher education and distance learning – now offers a BSc Data Science and Business Analytics programme in an online format.

With academic direction from the London School of Economics and Political Science (LSE) – **ranked #2 in the world by QS World University Rankings on their Social Sciences and Management list** – this degree prepares students for meaningful careers in data science, analytics and other fast-growing fields.[1]

Whether you are embarking on your first degree, transferring from another programme or returning to university, our online delivery model allows you to study for a world-class degree without relocating.

Speak With a Counsellor

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Online BSc Data Science and Business Analytics

360
Total Credits

3-6
Years to Complete

4
Annual Start Dates

In addition to mastering essential technical skills in areas like mathematics, statistics and computer science, you will learn how to:

- Analyse data and draw actionable insights for informed decision-making
- Leverage mathematical and statistical models to tackle real-world problems
- Navigate the intersection of business, management and data.

231%
increase in demand for data science professionals (2013-2018) [2]

Programme Structure

Online BSc Data Science and Business Analytics

Our programme structure guides our students to develop transferable, compound skills – from numerical acumen to analytical problem solving – that employers need now, and positions them for meaningful, long-term career growth in a data-focussed world and workplace.

Programme Structure

The online programme structure comprises 12 courses totalling **360 credits.**

The maximum period of registration is six years. We suggest you aim to complete the programme within three to four years. Students must take **four courses each year** to complete the programme in three years. Each full course spans 20 weeks and each half course spans 10 weeks.

The tables on the following pages show the course sequence for a three-year completion timeline.

360

credits

4

courses per year

Programme Structure

Year One

Course	Description	Weeks
Mathematical Methods MT1186	You will become proficient with mathematical methods, explore the theoretical concepts behind those methods and investigate applications to problems in economics, management and related areas.	20
Statistics 1 ST104A	This half course will introduce you to the basic statistical concepts you will need to understand and use in the other courses you intend to study in your degree or diploma.	10
Statistics 2 ST104B	During this half course, you will develop the concepts of measurement and hypothesis testing introduced in Statistics 1 ST104A.	10
Introduction to Economics EC1002	This course will introduce you to the fundamentals of economic analysis and reasoning. It is the course upon which subsequent, more specialised economics courses are based.	20
Business and Management in a Global Context MN1178	The course provides an introduction to business and management with particular emphasis on their international dimension.	20

Programme Structure

Year Two

Course	Description	Weeks
Programming for Data Science ST2195	This course will cover the main principles of computer programming with a focus on data science applications. You will explore the entire data lifespan, from raw data and databases to data wrangling and visualization to machine learning frameworks and software development.	20
Advanced Statistics: Distribution Theory ST2133	This half-course is intended for students who already have some grounding in statistics. It provides the basis for an advanced course in statistical inference.	10
Advanced Statistics: Statistical Inference ST2134	During this half course, you will learn methods for using probabilistic models to make general statements on the basis of an observed set of data.	10
Abstract Mathematics MT2116	This course introduces fundamental concepts and constructions of mathematics and looks at how to formulate mathematical statements in precise terms.	20
Business Analytics, Applied Modeling and Prediction ST2187	This course will introduce you to new applications of modeling, analytics and prediction strategies in the ever-widening field of management.	20

Programme Structure

Year Three

Course	Description	Weeks
Elements of Econometrics EC2020	This course helps you develop an understanding of econometrics, enabling you to evaluate and conduct most applied analysis of cross-sectional data.	20
Statistical Methods for Marketing Research ST3188	The first half of this course focusses on aspects of market research, while the second half emphasises the practical application of a variety of multivariate statistical techniques to supplied datasets.	20
Marketing Management MN3141	In this course, you will gain a broad understanding of the theoretical and practical issues surrounding marketing decision making.	20
Machine Learning ST3189	This course covers a wider range of such model-based and algorithmic machine learning methods, illustrated in various real-world applications and datasets.	20

Admissions

Online BSc Data Science and Business Analytics

We seek students who are committed to expanding their data analysis and critical-thinking skills. Our entry qualifications and application requirements help us determine whether your academic and professional experiences have prepared you for our rigorous academic standards.

Admissions

Visit our Admissions page to understand the different types of qualifications we accept. Schedule a consultation with our admissions team to learn more.

Schedule Now

Applicants must be at least 17 years of age by the registration deadline. Exceptions may be made on a case-by-case basis.

You may still be eligible for admission even if you do not meet the following criteria. Our Admissions Panel will consider each application on its own merits, and assess whether your other credentials or work experience qualify you for entry.

If you are age 20 or younger, you must have passed qualifications that satisfy the General Entrance Requirements, equivalent to 3 UK GCE A-levels in non-overlapping subjects where grade EED or above is achieved, or one year of university credits (30 US credits or 60 ECTS or 120 UK credits).

If you are ages 21-26, you may qualify under Reduced/Mature Entry criteria: 1 UK GCE A-level at grade C or above or an acceptable equivalent (20 US university credits or 30 ECTS or 60 UK credits). Work experience may also be taken in to consideration in lieu of or in conjunction with academic requirements.

If you are age 27 or older, you may qualify under Reduced/Mature Entry criteria: 1 UK GCE A-level at grade E or above or an acceptable equivalent (20 US university credits). Work experience may also be taken in to consideration in lieu of or in conjunction with academic requirements.

Mathematics Requirement

All applicants are required to demonstrate competence at least equivalent to Mathematics at UK GCE A-level (Grade A-E).

You may also meet the Mathematics requirement by having earned 6 US college-level credits, 15 UK credits or 7.5 ECTS in one or more of the following subjects (or acceptable equivalents from around the world):

- Mathematics, Engineering Mathematics, Computing Mathematics, Algebra, Geometry, Trigonometry, Quantitative Techniques / Methods, Statistics, Business Statistics, Business Mathematics, Calculus, Differentials or Algorithms

This list represents a sample of the awards that are accepted for the Mathematics requirement. We accept many awards from around the world that are not listed here, including school qualifications, diplomas and professional awards.

English Language Requirements

You are required to demonstrate English proficiency to be admitted to our programmes. We accept a range of evidence, including proficiency tests. If you don't have evidence but believe you can meet the standard, we may consider your case.

Qualifications by Country

We accept qualifications from around the world.

If your qualifications are not from the United Kingdom, visit our Qualifications for Entrance page to learn more about the requirements for your country:

https://london.ac.uk/entrance-qualifications

Application Requirements

To be considered for admission to the online BSc programme, you must submit the following materials as part of your online application.

Personal Statement

Your personal statement (100-250 words) should answer the following question:

Why do you wish to study for this programme? Please include details about your education, work experience and current responsibilities.

Complete / Incomplete Postschool Certificates or Transcripts

We need to see evidence of the relevant qualifications before we can process your application. We may ask for further evidence after you have submitted your application.

Please note the following requirements for acceptable evidence:

- **Option 1:** Arrange for the awarding / examining authority to send us a statement or transcript of your results. The statement/transcript should include your name, date of birth and University of London student reference number (if available).
- **Option 2:** Have your original documents verified by an official authority, business or organisation. Verification means that your original document has been seen and a photocopy has been stamped and signed to be a true copy of the original.

Optional Materials

The following materials are not required, but you may submit them if you feel these items will demonstrate your academic preparedness:

- Resume or CV
- Work references
- Standardised test scores
- Professional certificates

Application Requirements

Verified Identification

Once you've completed your application, you will also be required to provide evidence of your full name and date of birth. Please submit a photocopy of one of the following:

- Birth certificate
- Passport
- National identification card
- UK driving license

If you have changed your name, you must also submit a photocopy of one of the following:

- Marriage certificate
- Deed poll
- Statuary declaration
- Affidavit

If you have any questions about the entry qualifications or application requirements outlined here, please contact your admissions counsellor.

In-Person Examinations

Assessment of your academic work includes examinations, which are conducted in person at one of over 500 approved centres around the world. Your tuition includes the University examination entry fee; however, you will be required to pay an examination centre fee each time you sit an exam.*

https://london.ac.uk/current-students/examinations/examination-centres

*Fees vary by location and are not dictated, collected or managed by the University of London. Details of fees may be obtained directly from authorised examination centres.

Ability to Access Live Sessions

Students seeking to enrol in the programme are responsible for ensuring they are able to connect reliably to VoIP services (e.g. Zoom) in order to participate in live sessions, which are a requirement of the programme.

Some VoIP-based communications services have experienced service disruptions in the United Arab Emirates (UAE) due to blocks by internet service providers (ISPs) du and Etisalat. This means that you may not be able to participate in live sessions via video call if you are in the UAE. You may still be able to access the live session via a non-video phone call, which may affect your ability to meaningfully participate in the live session.

The University of London is not able to assist with navigating country-specific VoIP access limitations. If you would like to discuss further, please reach out to your admissions counsellor.

Programme Fees

The fees below relate to students registering for the 2020-21 academic year. These may be increased by up to 5 per cent each year.

The academic year is split into two half-year study sessions, each containing 20 weeks of learning. In advance of each study session, you will select and pay for the courses you wish to study. You can register for a maximum of two full courses per study session. We encourage students to study and examine at least three full courses per academic year.

Student Type	Full Course Cost (20 Weeks)	Total Programme Cost (12 Full Courses)
UK Residents	£1,458.33	£17,500
Non-UK Residents	£1,708.33	£20,500

You may also need to budget for textbooks (which could extend to around £300 per year) and exam centre fees, which are paid directly to the venues where you sit your exams.

Examination Resit Fees: If you need to resit a course, you must pay a resit fee. This is currently £302 for full courses.

**The indicative total assumes you complete the qualification without resits. It does not reflect potential annual fee increases and is not inclusive of examination centre fees.*

Goods and Services Tax (GST) The University is required to add Goods and Services Tax (GST) to registration and module/course fees paid by students resident in certain countries. Further information can be found on our web page. All programme fees shown are net of any local VAT, Goods and Services Tax (GST) or any other sales tax payable by the student in their country of residence. Where the University is required to add VAT, GST or any other sales tax at the local statutory rate, this will be added to the fees shown during the payment process. For students resident in the UK, our fees are exempt from VAT.

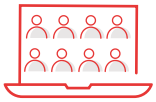
Online Experience

Online BSc Data Science and Business Analytics

From live, online sessions to holistic academic and technical support to self-paced coursework, our first-of-its kind online campus blends the accessibility of traditional distance learning programmes with the level of quality and engagement you would expect from a top on-campus programme.

Online Experience

With multifaceted support, cutting-edge technology and real-time engagement opportunities, you have the flexibility you need to study your degree in a format that complements your goals, lifestyle and location.



Live, Online Sessions

You'll attend **face-to-face weekly sessions** via the online platform, which is equipped with screen share capabilities, live annotation tools, and breakout configurations. All tools and features are accessible on both desktop and mobile devices.

Real-Time Interaction

The quality of your relationships should match the quality of your education. Our online campus offers multiple ways to **form lasting connections** with LSE learning facilitators and fellow students, including group meetings, office hours and message boards.

On-Demand Coursework

Your **course materials are all available on demand** via desktop, mobile or tablet, which means you can complete assignments, review live sessions and study discussion topics at your own pace. You can view materials online or download them for easy offline access.

Holistic Support

When you apply, you will be paired with a **dedicated admissions counsellor** who can help you navigate entry requirements and provide personalised support. When you enrol, we match you with a **student success advisor** who helps track your academic progress.

About Your Qualification

When you graduate with a degree, diploma or certificate from the University of London you will receive two important documents: your Final Diploma (the certificate you receive on graduation) and a Diploma Supplement.

The Final Diploma

- Indicates that you were registered with the University of London and awarded a University of London degree, diploma or certificate.
- Gives the name of LSE as the member institution that developed the syllabus and provided assessment.
- Features the University of London crest and the Vice Chancellor's signature.

The Diploma Supplement

- Describes the nature, level and content of the programme you successfully completed.
- Includes the transcript of courses taken, marks achieved and overall classification.
- States the role of LSE and the method of study.

About

The University of London and LSE are highly respected by employers, rankings authorities and academic communities around the world. Through a combination of elite pedagogy and seamless accessibility, the online BSc Data Science and Business Analytics programme gives a new generation of learners the chance to become part of these powerful institutions.

About the Universities

About the University of London

The University of London is the world's oldest provider of degrees through distance and flexible learning. Since Queen Victoria awarded the University of London its Royal Charter in 1858, its study programmes have been accessible to students all over the world.

All University of London programmes are developed by its **17 outstanding member institutions**, which are also responsible for preparing study materials and assessing the programmes. Today, the University of London has more than 50,000 students in over 180 countries, studying on more than 100 degrees, diplomas and certificates.

About LSE

LSE is a world-leading university specialising in the social sciences. Founded in 1895, LSE pioneered the study of social sciences, economics and international relations, with the aim of contributing to the betterment of society.

LSE is ranked #2 in the world for social sciences and management in the 2019 QS World University subject rankings.[3] LSE alumni and learning facilitators include 37 world leaders, 18 Nobel Prize winners, seven Pulitzer Prize winners and eight Guy Medal winners. LSE also has the highest proportion of world-class research of any UK university, according to the Research Excellence Framework.[4]

References

1 Social Sciences and Management. *(2019). QS World University Rankings. Retrieved 17 December 2019.*

2 Dynamics of data science skills. *(2019). The Royal Society. Retrieved 17 December 2019. Note: Demand for workers in any given year varies, and is not indicative of future demand in the data science/ engineering sectors.*

3 Dynamics of data science skills. *(2019). The Royal Society. Retrieved 17 December 2019. Note: Demand for workers in any given year varies, and is not indicative of future demand in the data science/ engineering sectors.*

4 REF 2014. *(2014). Research Excellence Framework. Retrieved 17 December 2019.*