PROGRAMME SPECIFICATION

Name, title and level of final qualification(s)	**MSc Finance and Data Analytics** (Level 7)
Name and title of any exit qualification(s)	PG Dip, PG Cert
Awarding Body	University of London
Teaching Institution(s)	Birkbeck, University of London
Home school/other teaching departments	Birkbeck Business School
Location of delivery	Central London
Language of delivery and assessment	English
Mode of study, length of study and normal start month	Full-time (1 year) Part-time (2 years) September
Professional, statutory or regulatory body	Part of Chartered Financial Analyst (CFA) Institute University Affiliation Programme with limited number of CFA scholarships available.
Birkbeck Course Code	TMSFINDA_C
QAA subject benchmark group(s) Higher Education Credit Framework for England	N/A
Start date of programme	Autumn 2023
Date of programme approval	Spring 2023
Date of last programme amendment approval	N/A
Valid for academic entry year	**2025-26**
Programme Director	TBC
Date of last revision to document	27/02//2023

Admissions requirements

This degree is designed for graduates who are new to data analytics. Our standard postgraduate entry requirement is a second-class honours degree (2:2 or above) from a UK university, or an equivalent international qualification. The programme is heavily quantitative in nature therefore some prior experience in quantitative skills would be beneficial. For applicants with a weaker experience in statistics, a short introduction course to statistics will be provided.

Non-native English speakers need to provide proof of English language ability: A minimum IELTS score of 6.5 (with a minimum of 6 in the sub-tests) and provide the certificate or in line with the College Specifications.

We will review every postgraduate application to Birkbeck on its individual merits and your professional qualifications and/or relevant work experience will be taken into consideration positively. We actively support and encourage applications from mature learners.

On your application form, please list all your relevant qualifications and experience, including those you expect to achieve.

Course aims

The MSc Finance and Data Analytics is designed for graduates that aim to have a specialisation in data analytics with a core knowledge in finance. The programme provides a blend of technical, quantitative modules in data analytics, alongside more technical accounting and finance modules that will develop your ability to apply data analytics and technology to related accounting and finance practices and real-world examples.

Course structure

Students take eight compulsory modules plus a 12,000-word dissertation on any area of accounting or finance.

Level	Module Code	Module Title	Credit	Comp Core/ Option	Likely teaching term(s)
Full-time - 1 Year					
7	BUCI042H7	Data Analytics using R	15	Compulsory	T2
7	BUMN186H7	Principles of Accounting	15	Compulsory	T1
7	BUMN071H7	Quantitative Methods for Finance and Business	15	Compulsory	T1
7	BUMN177H7	Predictive and Prescriptive Decision-Making	15	Compulsory	T1
7	BUMN179H7	Data Visualization and Communication	15	Compulsory	T3
7	MOMN011H7	Research Methods in Management (Postgraduate)	15	Compulsory	T2
7	BUMN073H7	Portfolio and Market Analysis	15	Compulsory	T3
7	BUMN044H7	Valuation Analysis and Risk Management	15	Compulsory	T3
7	BUMN184Z7	PG Dissertation Preparation	0	Compulsory	T1-3
7	BUMN061D7	MSc Dissertation	60	Core	T1-3

Part-time - 2 Years					
Year 1					
7	BUCI042H7	Data Analytics using R	15	Compulsory	T2
7	BUMN186H7	Principles of Accounting	15	Compulsory	T1
7	BUMN177H7	Predictive and Prescriptive Decision-Making	15	Compulsory	T1
7	BUMN073H7	Portfolio and Market Analysis	15	Compulsory	T3
7	BUMN044H7	Valuation Analysis and Risk Management	15	Compulsory	T3
Year 2					
7	BUMN071H7	Quantitative Methods for Finance and Business	15	Compulsory	T1
7	BUMN179H7	Data Visualization and Communication	15	Compulsory	T3
7	MOMN011H7	Research Methods in Management (Postgraduate)	15	Compulsory	T2
7	BUMN184Z7	PG Dissertation Preparation	0	Compulsory	T1-3
7	BUMN061D7	MSc Dissertation	60	Core	T1-3

Core: *Module must be taken and passed by student*
Compulsory: *Module must be taken but can be considered for compensated credit (see CAS regulations paragraph 24)*
Option: *Student can choose to take this module*

How you will learn

Teaching on this course is a combination of lectures (pre-recorded) and seminars. Lectures are designed to provide you with an outline or overview of the topic, to engage you with the material and direct you to other resources.

This MSc Finance and Data Analytics is designed for graduates that aim to have a specialisation in data analytics with a core knowledge in finance. The programme provides a blend of technical, quantitative modules in data analytics, alongside more technical accounting and finance modules that will develop your ability to apply data analytics and technology to related accounting and finance practices and real-world examples. It will also provide students practical sessions on data analytics, simulation and other statistical data analysis exercises using available datasets and established analytical tools, valuation techniques and financial modelling with industry/finance world applications to enhance your skills and in-depth knowledge.

How we will assess you

The course will use a variety of assessment methods. Assessment is used to enhance your learning rather than simply to test it. For most of the modules associated with this course, your assessment will be through the following types of assessment: individual reports/coursework; essays; short tests; exams.

Learning outcomes (what you can expect to achieve)

At the end of this course you should be able to:

-   Understand, apply and critically assess a wide range of accounting and financial theories.

- Develop technical skills through a scheme of quantitative analysis;
- Apply data analytics and technology to finance oriented practices and real-world examples.
- Acquire skills in programming languages
- Demonstrate knowledge on data analytics, simulation and other statistical data analysis exercises, using available datasets and established analytical tools, to inform investment decisions
- Apply valuation techniques and financial modelling on real-world examples from the financial industry.
- Analyse and interpret outcomes using case studies on listed companies.

Careers and further study

This master's degree will prepare you for more technical and analytics roles in accounting, banking, financial sector businesses, professional services and in general in financial settings within large as well as small organisations/firms/institutions.

If you are interested in further study, it will also provide you with a strong foundation for PhD research in this area.

Birkbeck offers a range of careers support to its students. You can find out more on the careers pages of our website.

Academic regulations and course management

Birkbeck's academic regulations are contained in its Common Award Scheme Regulations and Policies published by year of application on the Birkbeck website.

You will have access to a course handbook on Moodle and this will outline how your course is managed, including who to contact if you have any questions about your module or course.

Support for your study

Your learning at Birkbeck is supported by your teaching team and other resources and people in the College there to help you with your study. Birkbeck uses a virtual learning environment called Moodle and each course has a dedicated Moodle page and there are further Moodle sites for each of your modules. This will include your course handbook.

Birkbeck will introduce you to the Library and IT support, how to access materials online, including using Moodle, and provide you with an orientation which includes an online Moodle module to guide you through all of the support available. You will also be allocated a personal tutor and provided with information about learning support offered within your School and by the College.

Please check our website for more information about student support services. This covers the whole of your time as a student with us including learning support and support for your wellbeing

Quality and standards at Birkbeck

Birkbeck's courses are subject to our quality assurance procedures. This means that new courses must follow our design principles and meet the requirements of our academic regulations. Each new course or module is subject to a course approval process where the proposal is scrutinised by subject specialists, quality professionals and external representatives to ensure that it will offer an excellent student experience and meet the expectation of regulatory and other professional bodies.

You will be invited to participate in an online survey for each module you take. We take these surveys seriously and they are considered by the course team to develop both modules and the overall courses. Please take the time to complete any surveys you are sent as a student.

We conduct an annual process of reviewing our portfolio of courses which analyses student achievement, equality data and includes an action plan for each department to identify ongoing enhancements to our education, including changes made as a result of student feedback.

Our periodic review process is a regular check (usually every four years) on the courses by department with a specialist team including students.

Each course will have an external examiner associated with it who produces an annual report and any recommendations. Students can read the most recent external examiner reports on the course Moodle pages. Our courses are all subject to Birkbeck Baseline Standards for our Moodle module information. This supports the accessibility of our education including expectations of what information is provided online for students.

The information in this programme specification has been approved by the College's Academic Board and every effort has been made to ensure the accuracy of the information it contains.

Programme specifications are reviewed periodically. If any changes are made to courses, including core and/or compulsory modules, the relevant department is required to provide a revised programme specification. Students will be notified of any changes via Moodle.

Further information about specifications and an archive of programme specifications for the College's courses is available online.