MSc Data Analytics

In partnership with:

University
for the
Creative Arts

7th

2021 The Guardian League
Table for business, marketing
and management

13th

2020 The Guardian League
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across the UK

MSc Data Analytics

The 18-month MSc course is a new postgraduate programme in the field of data analytics, providing students with key knowledge to work in data analytics and giving them the skills and confidence to pursue their entrepreneurial dreams.

The course aims to develop core computer science skills that underpin the extensive development of academic and theoretical knowledge in IT and Data Analytics. Available classes across the four terms include: Statistics and Mathematics for Data Analytics, Predictive Analytics, Machine Learning Using Python, Big Data and much more. The curriculum emphasises computer science, supported by professional tools, advanced simulation techniques literacy and the application of a variety of labs and workshops to solve problems and make informed decisions and design solutions in the domain of data analytics. This course is perfect for those with a desire to pursue these fields alongside the fundamentals of data analytics.

Key Facts

Duration: 18 months
Campus: Berlin | **Intakes:** February, May, October
Awarded by: University for the Creatives Arts (UCA)

"I have developed immensely in a positive way, all thanks to BSBI and this will aid my career path and help me make proper choices."

Sandra Akunna Ejiofor, BSBI student

This master's degree has been designed with contemporary and practical elements. The latest technology is used to enhance learning and collaborative working. Students will work alongside research-active staff on latest research developments, while industry guest speakers and live briefs provide networking and development opportunities. This is embedded throughout the course to enrich the creative and digitisation practice and contribute to the university experience.

During its first three terms the programme will cover fundamental topics such database management, statistical analysis, predictive analytics and visualization. Students will also be able to study the German language alongside your master's degree subjects. On your final term, you will research and prepare a dissertation on a topic of your choice.

Module 1

- Fundamentals of Data Analytics
- Predictive Analytics and
  Machine Learning Using Python

Module 2

- Enterprise Data Warehouse and
  Database Management Systems
- Big Data Analytics

Module 3

- Visualization and Story Telling
  Using Tableau
- Computer Vision and Artificial Intelligence

Module 4

- Dissertation

What will you experience?

The course is delivered 100% on-campus with full access to state-of-the art facilities. Students will also have additional access to course and reading materials via the University for the Creative Arts platform.

The latest technology is used to enhance learning and collaborative working, research-active staff work with you on the latest research developments, while industry guest speakers and live briefs provide development opportunities embedded throughout the course enrich your creative and business practice and significantly contributes to your experience at university and preparation of professional practice.

Why study this course?

Data analytics revolves around analysing data and extracting useful knowledge from it. The demand for data analytics experts has increased significantly over the last few years as companies become more dependent on data science for business understanding, data understanding, data preparation, modelling, evaluation and deployment. Therefore, there are ample opportunities for students to find a rewarding position within this field.

Who should take this course?

This course is perfect for those with a desire to pursue a career in the field of computer science or data analytics who are looking to understand the fundamentals of data analytics. Collaborative and informative learning techniques will be utilised to prepare students for their professional careers.

Career Progression

Research has shown that there is a huge demand for those with advanced skills in data analytics within the global job market. These jobs are becoming increasingly important amidst the further digitisation of a post-pandemic world. According to New Electronics, by 2025, around 75,000 million machines will be integrated into the Internet of Things (IoT) and the Industrial Internet of Things (IIoT). The leading market research institutes forecast annual growth of 31%. Due to this development, gigantic amounts of data are being generated around the globe, which must be evaluated and distributed reliably, quickly and securely. This creates great opportunities for those with the right knowledge and skillset. (newelectroncs.co.uk 2021)

Our memberships:

Entry Requirements

Minimum age: 21 years old
Academic qualifications: Successful completion of a Bachelor's Degree from a recognised university. Consideration will also be given to applicants with minimum of 3 relevant work managerial experience, demonstrating an ability to study at postgraduate level.

English Language

• Official English Tests

  ◦ IELTS — minimum OS 6.0
    (with min 5.5 in each component)
  ◦ Password test — minimum OS 6.0
    (with min 5.5 in each component)
  ◦ TOEFL IBT OS 80 (Listening 17,
    Reading 18, Speaking 20, Writing 17)
  ◦ Cambridge English Advanced (CAE)
    or Cambridge English Proficiency OS 69
    (min 162 in each component)
  ◦ LanguageCert International ESOL
    SELT OS B2 Communicator High Pass
    (min 33 in each component)
  ◦ Duolingo test with an overall score of 105

• Applicants who achieved a bachelor's
  degree or above* from a recognised
  university (according to ECCTIS UK), where
  the Method of Instruction was entirely in
  English (teaching and assessment) must
  submit a Medium of Instruction Letter.

• Cambridge IGCSE, Cambridge AICE
  certificates.

• Canadian nationals who have completed
  a bachelor's degree at an English-speaking
  university must submit a Medium of
  Instruction Letter.

• West African Certificates (WAEC AND NECO
  only) as a stand-alone with a minimum of
  C6 in English and issued within the last
  5 years. Kenya Certificate of Secondary
  Education (KCSE) is also accepted with an
  overall grade C or above. For Tanzania
  and Cameroon, we request an IELTS (or
  equivalent certificate).

• WAEC/NECO must be enhanced by
  a successful (50%+) Internal English
  Assessment if issued more than 5 years
  ago.

• International Baccalaureate Diploma can
  be accepted if: English Syllabus A: Standard
  or Higher Grade 4, or above and English
  Syllabus B: Standard Grade 5 or Higher
  Grade 4, or above.

• Nationals of a majority English speaking
  country who have taken their academic
  qualifications in that country do not need
  to sit an English test (Antigua and Barbuda,
  Australia, The Bahamas, Barbados, Belize,
  Dominica, Grenada, Guyana, Ireland,
  Jamaica, New Zealand, St. Kitts and Nevis,
  St. Lucia, St. Vincent and the Grenadines,
  Trinidad and Tobago, UK and USA).

*Above bachelor's degree can be postgraduate certificate,
 postgraduate diploma, master's degree, etc.

Admissions Process

Applying to study with BSBI has never been easier! Here's how it works:

1. Create an account here: **start.berlinsbi.com/login**
2. Select the programme and intake you would like to apply for.
3. Complete all sections of the online application.
4. Submit your application.
5. Our admissions team will liaise with you with regards to the next steps.

Once you have been accepted, you need to apply for a German student visa as soon as possible. To do this, you must:

- Make an appointment with the German embassy in your country and complete an application form (the administrative fees for this are usually around €60)

- Ensure that you provide all the correct documents to avoid being refused entry into the country. Your visa confirmation will take on average two to three months, depending on your country.

It should be noted that the student visa or 'Visum zu Studienwecken' only lasts for three to six months. For more information about the visa requirements you need to study in Germany visit: **berlinsbi.com/international-student-guide**

Fees: €8,000 (EU) | €12,600 (International)

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The School's admissions process is subject to the Consumer Contracts (Terms and Conditions). Information on your Right of Withdrawal and our Refund Policy can be found in the BSBI study agreement.

Berlin School of Business and Innovation (BSBI) is in partnership with the University for the Creative Arts (UCA). As a result of this partnership, BSBI is able to offer this programme. UCA is an acclaimed creative institution in the UK that ranks highly in all three of the major UK league tables. The university has also been ranked 13th out of all UK universities in The Guardian League Table 2020.

The information in this publication is correct at the time of printing and subject to change at any time. For the latest information, please visit: **berlinsbi.com**