

Full time

Study programme:

Master of Science Big Data & Business Analytics

Why study Master of Science Big Data & Business Analytics?

The increasing amount and variety of available data holds huge opportunities for companies. At the same time, however, it also presents them with the challenge of dealing with this growing capital in a targeted and innovative way and using the data to their own competitive advantage. Therefore, there is a great need for big data analysts.

Big Data specialists take a wide range from logic and quantitative methods to programming languages, frameworks and infrastructures to the interpretation and implementation of the results in business processes.

In the Master's programme Big Data & Business Analytics, you will learn to analyse and evaluate large and heterogeneous data sets and to use them in a business context. You will acquire analytical skills to

derive models for different tasks from data sets, which you can use specifically for predictions or optimisations, for example in marketing, sales and business development.

As a graduate, you are specialised for specialist and management positions at the interface between IT and management, e.g. as a Big Data Manager, Data Analyst or Business Development Manager.



Studying in Essen, Germany

Lying in the centre of the Ruhr area in Western Germany, the town Essen has a lot to offer – from significant industrial cultural monuments to charming local recreation areas. Students can enjoy large cultural opportunities such as the famous Folkwang Museum or the Aalto Theatre, as well as countless opportunities for going out.

For example, you should not miss a visit to the Coal Mine Zollverein Industrial Complex. Today, the former coalmine is part of the UNESCO World Heritage Site, and with its adjacent park, it is one of the region's tourist magnets. Since there are a lot of big international and national companies as well as startups graduates have good opportunities to find a job.



FOM University

Having more than 57,000 students, FOM is one of the largest universities in Europe. It was founded as an initiative of the non-profit Stiftung BildungsCentrum der Wirtschaft (Foundation for the Centre of Education for Trade and Industry) and has university centres in 35 cities in Germany as well as in Vienna, Austria. In addition, since the winter semester 2021, the university has been offering digital live studies, which are broadcasted from multifunctional FOM Studios.

As a practically oriented university for professionals, the FOM promotes the transfer of knowledge between the university and business. It is in close contact with over 1,000 cooperating partners, including medium-sized regional companies and major international corporations like BMW, Siemens, Thyssen-Krupp, chambers and business associations. Many of their representatives are involved in the university's committees, provide important impulses for the development of new courses of study, and are sometimes even active in teaching. Students benefit from this practical orientation and are best prepared for the job market after graduation. At the same time, studying at FOM is a good way to expand their professional network.

KEY FACTS

- ▶ **Language**
English
- ▶ **Time model**
full-time (daytime)
- ▶ **Duration**
4 semesters including thesis
- ▶ **Place of study**
Essen, Germany
- ▶ **Credit Points**
120 ECTS
- ▶ **Fees**
Registration fee: 1.580 €, Tuition fee: 20.570 €, Examination fee: 350 €, **Total cost: 22.500 €**
- ▶ **Degree**
Master of Science (M.Sc.)
- ▶ **Admission requirements**
 - University degree (Bachelor) with a share of at least 60 credit points in (business) informatics modules or with a share of at least 60 credit points from subject-related modules (e.g. mathematics, statistics) or with successful completion of an admission examination
 - English language proficiency B2

CONTACT



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