



IU International

MASTER (M.A.M.)

BIG DATA MANAGEMENT

From the optimisation of existing production lines to the creation of new business models, data-driven decisions are at the centre of digital business. A Master's specialising in Big Data Management will not only give you the skills to make critical decisions surrounding Big Data but also provide the management know-how to help you find your way as a leader in business.

In the IU Master of Management in Big Data Management, you'll learn how to prepare data, link data from different sources, and analyse data relationships. You'll get to know artificial intelligence methods for data analysis, including when and how to apply them, and examine societal impact and data protection issues to ensure ethical practice. With a degree in Big Data Management, you'll detect and deliver essential data insights to boost the success of any company you work for.

**Degree**

Master of Arts (M.A.)

**Study start**

Anytime

**Study model**

Online, on campus or flexible

**Duration**

12 months

**Credits**

60 ECTS

Study Content

MODULE TITLE	SEMESTER	ECTS
<hr/>	1	<hr/>
Managing in a Global Economy		5 ECTS
Strategic Management		5 ECTS
Data Science and Analytics		10 ECTS
Advanced Research Methods		5 ECTS
Operations and Information Management		5 ECTS
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Big Data		10 ECTS
Seminar: Managing People and Organisations		5 ECTS
Master Thesis & Colloquium		15 ECTS

WHAT YOU'LL LEARN

- Gather data and conduct reliable assessments of opportunities and risks related to business activities in different geographical markets.
- Understand data utilisation such as for problem solving and investigation as well as select the appropriate technologies for application scenarios.
- Learn to evaluate effectiveness, analyse performance, and identify challenges in different use cases—all while building soft skills such as communication and leadership.

CAREER

With a Master of Management in Big Data, you bring leadership competencies and comprehensive knowledge from all relevant big data disciplines to the table. Fast-growing companies are investing in the implementation of data management systems and structures and are looking for qualified experts in the area as a result. With a degree in Big Data Management you'll have a variety of great opportunities to step into a career filled with innovation and motivation once you graduate.