MASTER IN APPLIED DATA SCIENCE

Frankfurt School

Learn more
↗ www.fs.de/mads

Degree: Master of Science (MSc)

Target Audience

We welcome young, mathematically-inclined graduates who wish to build a career in data science. You will learn the fundamentals of data science, how to apply cutting-edge methods to solve real-world business problems and assess the ethical and legal implications of applied data science. Many of our students hold degrees with a focus on computer science, statistics, mathematics or logic. Candidates with degrees in unrelated fields should show strong quantitative skills.

FRANKFURT	**21 AUGUST**	**ENGLISH**
Location	Programme start	Language of instruction
120	**4**	**30 JUNE**
Credits	Semesters (full-time / 21 months + thesis)	Application deadline

Highlights

- A combination of applied Machine Learning, Data Science and Business Problem Solving
- A unique time model that permits you to work three days a week while pursuing a full-time master's degree (3-day model)
- Extended company projects on real-life cases in cooperation with leading companies
- Ethical ramifications of the fourth wave of industrialisation
- Possibility to get involved in the Entrepreneurship world through the module or the our new FS Entrepreneurship Centre

Requirements

- Bachelor's degree or equivalent, preferably in a quantitative field
- Excellent written and spoken English skills (Minimum TOEFL iBT 90, IELTS 7.0, or equivalent)
- GMAT, GRE, or Frankfurt School Admissions Test
- Successful participation in our admission interview

Tuition fees

Total price	€33,500
Early Bird discount by 30 November	€4,000*
Early Bird discount by 31 March	€2,000*
Scholarships available: check our website	

↗ www.frankfurt-school.de

Ranking

Frankfurt School is #12 worldwide for Best Business Schools for Digital Transformation and #1 in Germany according to The Times Higher Education (THE).

BEST UNIVERSITY for DIGITAL EDUCATION
TOP 200
DigitalLeaders in Higher Education
2022
LEADER in GLOBAL TOP 200

#12 Worldwide   **#1** in Germany

Contact us
↗ masters@fs.de

*Terms and Conditions apply. See our website for more details.

Curriculum

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Semesters

1				
Quantitative Fundamentals	Algorithms & Data Structures	Intro to Data Analytics in Business	Computational Statistics & Probability	The Language of Business

2				
Database & Cloud Computing	Machine Learning 1	Guided Studies in Financial Management	Machine Learning 2	AI & Humanity: Ethics of Data Science

3			
Strategy & Performance Management	Deep Learning	Natural Language Processing	Cooperation Company Project

4	
2 Electives or Entrepreneurship or Study Abroad	Master Thesis

■ **Core Modules**

■ **Electives**

■ **Cooperation Company Project**

Study abroad option: You have the option to use the credits from your electives in semester 4 to study abroad.

Cooperation Company Project

During semester 3, students test the knowledge they acquired in previous semesters by working on real business use-cases together with leading companies. Over a few months students will work closely with the company from the start to finish of the project, thus gaining end-to-end, hands-on experience.

"This project made us realise, that it is not only about applying smart algorithms, but mostly about preparing data efficiently, understanding the data, and thinking further to work towards the best solution we could possibly offer our project's sponsor."

Friederike Falke
Master in Applied Data Science Class of 2021
Worked on Moody's Analytics project

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