



MASTER IN APPLIED DATA SCIENCE

www.fs.de/mads

DEGREE: MASTER OF SCIENCE (MSC)

TARGET AUDIENCE

We welcome graduates or young professionals who aspire to develop cross-functional problem decomposition and solving skills by applying machine learning technology and data science as well as business domain knowledge and critical judgment to navigate the modern data ecosystem. Most of our students will hold degrees with a focus on mathematics, statistics or logic. However, we also invite candidates with degrees in unrelated fields who have strong quantitative skills to apply.

HIGHLIGHTS

- A combination of applied Machine Learning, Data Science and Business Problem Solving
- Extended company projects on real-life cases in cooperation with leading companies throughout the third and fourth semesters
- Ethical ramifications of the fourth wave of industrialisation
- Participate in our hackathons

REQUIREMENTS

- BSc degree with a focus on mathematics, statistics, logic, or computation. Alternatively, non-quantitative degree, supplemented by official results obtained via the GMAT, GRE or FSAT
- Excellent written and spoken English (TOEFL - 90 iBT, or equivalent)
- Successful participation in our admissions interview

120

CREDITS

EN

LANGUAGE OF INSTRUCTION

INTAKE 2018

LOCATION Frankfurt, Germany

DURATION 4 semesters/full-time
(21 months, plus thesis)

TUITION FEES

- Total Price 32,500 Euro
- Early Bird Discount (By April 30) 3,000 Euro

DATES




- Application deadline July 31
- Programme start August 27



German Excellence. Global Relevance.

CURRICULUM MASTER IN APPLIED DATA SCIENCE

SEMESTER 1	QUANTITATIVE FUNDAMENTALS	COMPUTATIONAL SEMANTICS – DATA STRUCTURES & ALGORITHMS	INTRO TO DATA ANALYTICS	ORGANISATIONAL STRATEGY & AI	THE LANGUAGE OF BUSINESS
SEMESTER 2	ELECTIVE				
	PROBLEM SOLVING – DECOMPOSITION AND ANALYTICAL METHODS	MACHINE LEARNING 1 BUSINESS USE CASES 1	MANAGING, STORAGE AND VISUALISING BIG DATA	DEEP LEARNING	
SEMESTER 3	ELECTIVE				
	AI & HUMANITY - ETHICS OF DATA SCIENCE	MACHINE LEARNING 2 BUSINESS USE CASES 2	COOPERATION COMPANY PROJECT	TEXT MINING & NLP	
SEMESTER 4	ENTREPRENEURSHIP - BUSINESS MODEL SIMULATION		AI – THE NEW FRONTIER		
	CAPSTONE / THESIS				

	CAPSTONE / THESIS
	ELECTIVE
	CORE MODULES

All information is intended to provide a general overview of the study programme. Frankfurt School of Finance & Management reserves the right to modify the curriculum, the schedule or any parts thereof. The same applies to the tuition fees and internal and external examination fees.