MASTER IN
APPLIED DATA SCIENCE

Degree: Master of Science (MSc)

Target audience
We welcome graduates or young professionals who aspire to develop cross-functional business problem solving skills by applying machine learning technology and data science to navigate the modern data ecosystem. 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.

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 3rd semester
- Ethical ramifications of the fourth wave of industrialisation
- A unique time model that permits you to work three days a week while pursuing a full-time master’s degree (3-day model)

Requirements
- Bachelor’s degree or equivalent
- 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

Requirements

FRANKFURT
Location

23 AUGUST
Programme start

ENGLISH
Language of instruction

120
Credits

4
Semesters
(full-time / 21 months + thesis
3-semester track available)

30 JUNE
Application deadline

Tuition fees
Total price ........................................ 32,500 €
Early Bird discount by 30 November .......... 4,000 €`
Early Bird discount by 31 March ............... 2,000 €`

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

Learn more
» www.fs.de/mads

www.frankfurt-school.de
# Curriculum

## MASTER IN APPLIED DATA SCIENCE

### Semesters

<table>
<thead>
<tr>
<th>Semester</th>
<th>Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Quantitative Fundamentals, Algorithms &amp; Data Structures, Intro to Data Analytics in Business, Managing &amp; Storing Big Data, The Language of Business</td>
</tr>
<tr>
<td>2</td>
<td>Guided Studies in Financial Management, Machine Learning 1, Visualizing Big Data, AI &amp; Humanity: The Ethics of Data Science, Machine Learning 2</td>
</tr>
<tr>
<td>3</td>
<td>Strategy and Performance Management, Deep Learning, Natural Language Processing, AI - the New Frontier, Company Project</td>
</tr>
<tr>
<td>4</td>
<td>2 Electives or Semester Abroad, Master Thesis</td>
</tr>
</tbody>
</table>

### Core Modules
- Guided Studies in Financial Management
- Strategy and Performance Management
- Machine Learning
- Natural Language Processing
- AI & Humanity: The Ethics of Data Science
- Managing & Storing Big Data
- The Language of Business

### Electives

### Cooperation Company Project

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

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.