MASTERS OF APPLIED DATA SCIENCE

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.

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

FRANKFURT
Location

22 AUGUST
Programme start

ENGLISH
Language of instruction

120
Credits

4
Semesters
(full-time / 21 months + thesis)

30 JUNE
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
- Entrepreneurship module

Tuition fees
- Total price ........................................... €33,000
- Early Bird discount by 30 November ........ €4,000*
- Early Bird discount by 31 March .......... €2,000*
- Scholarships available: check our website for more information.

Contact us
- masters@fs.de

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

**MASTER IN APPLIED DATA SCIENCE**

### Semesters

<table>
<thead>
<tr>
<th></th>
<th>Course Modules</th>
<th>Electives</th>
<th>Cooperation Company Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Quantitative Fundamentals, Algorithms &amp; Data Structures, Intro to Data Analytics in Business, Computational Statistics &amp; Probability, The Language of Business</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Database &amp; Cloud Computing, Machine Learning 1, Guided Studies in Financial Management, Machine Learning 2, AI &amp; Humanity: Ethics of Data Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Strategy &amp; Performance Management, Deep Learning, Natural Language Processing, Cooperation Company Project</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>2 Electives or Entrepreneurship or Study Abroad, Master Thesis</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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
Project with Moody's Analytics

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.