



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Master's degree



## Data Science

University of Münster • Münster

### Overview

Degree	Master of Science (MSc)
In cooperation with	The part-time Master's programme will be carried out in cooperation with the High-tech Business & Entrepreneurship Group of the University of Twente (Netherlands).
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	All courses are held in English.
Full-time / part-time	<ul style="list-style-type: none"><li>part-time (study alongside work)</li></ul>
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	The application deadline for the upcoming winter semester 2024/25 is 15 September 2024.
Tuition fees per semester in EUR	Yes
Additional information on tuition fees	The tuition fee for the whole two-year programme is 16,950 EUR.
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	Digitisation simplifies numerous processes and opens up design options that would have been unthinkable until recently, but this also means companies and institutions face new challenges that digitisation and the associated amounts of data entail. Many companies already recognise the enormous value that the use of data can have for product development, production, marketing, customer relationship management and ultimately sales. Therefore, when dealing with these large amounts of data, the focus is not only on statistical evaluation and information technology preparation but also on the targeted utilisation of the data collected for communication and marketing purposes. Data scientists therefore need additional competencies that enable them to strategically analyse the problems from an ethical, legal and business perspective and to implement them in a targeted manner in the company due to their pronounced communication skills.

Data science generates a new interdisciplinary professional field. To meet these requirements, special skills are required that go beyond the know-how of a single discipline. The necessary knowledge to be acquired is made up of knowledge and skills from various areas of science. The new part-time, interdisciplinary and international Master's degree course of study in Data Science, which is part of Department 4 (Economics), fills this gap and provides in-depth training in the relevant disciplines. It includes content from the fields of business informatics, mathematics and statistics, business administration and marketing as well as media, law and communication science.

The planned Master's programme will be taught in English and will be carried out in cooperation with the High-tech Business & Entrepreneurship Group of the University of Twente (Netherlands). It has a volume of 90 CP, extends over four semesters and concludes with a Master of Science degree.

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## Course Details

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### Course organisation

The Master's degree programme in **Data Science** is completed part-time and practically. It will take place consistently in English (subject to B2 level) and concludes with a Master of Science degree. The standard period of study is four semesters (including the final thesis). The Master's programme comprises a total of 90 credit points and includes 380 hours of face-to-face courses. The individual modules take place in blocks of four and a half days. The practical project is completed while studying.

**Module 1 – Introduction to Data Science and Programming Systems** | exam (90 minutes), case study

**Module 2 – Data Management** | exam (90 minutes), case study

**Module 3 – Data Analytics** | exam (90 minutes), case study

**Module 4 – IT Management, IT Security, Ethics, Legal Aspects** | group presentation (one hour), assignment (5,000 words)

**Module 5 – Self-Management & Leadership** | project (2 weeks), group presentation (one hour), essay (5,000 words)

**Module 6 – Practical Phase & Project Work** | presentation (15 minutes), written elaboration (3,000 words)

**Module 7 – Social Media & Communications** | exam (90 minutes), case study

**Module 8 – Application Areas** | exam (90 minutes), case study

**Module 9 – Master's Thesis** (maximum of 50 pages, working period: seven months)

» [PDF Download](#)

### International elements

- Courses are led with foreign partners

### Course-specific, integrated German language courses

No

### Course-specific, integrated English language courses

No

## Costs / Funding

<b>Tuition fees per semester in EUR</b>	Yes
<b>Additional information on tuition fees</b>	The tuition fee for the whole two-year programme is 16,950 EUR.
<b>Semester contribution</b>	<p>Students must pay a semester contribution fee of 317.48 EUR per semester. This includes a "semester ticket" covering public transportation in the greater Münster area and throughout Germany.</p> <p>You can find more information here:  <a href="https://www.uni-muenster.de/studieninteressierte/en/einschreibung/semesterbeitrag.shtml">https://www.uni-muenster.de/studieninteressierte/en/einschreibung/semesterbeitrag.shtml</a></p>
<b>Funding opportunities within the university</b>	No

## Requirements / Registration

<b>Academic admission requirements</b>	First qualifying university degree with at least 180 ECTS
<b>Language requirements</b>	Proven B2 level in English (TOEFL, IELTS, etc.), a Bachelor's degree that was taught in the English language, or proof of sufficient work experience in the English language.
<b>Application deadline</b>	The application deadline for the upcoming winter semester 2024/25 is 15 September 2024.
<b>Submit application to</b>	<p>All applications can be sent to:</p> <p>Jannis Wegmann  jannis.wegmann@uni-muenster.de  Königsstraße 47  48143 Münster  Germany</p> <p>The application form and further information can be found at the following link:  <a href="https://professional-school.uni-muenster.de/en/masterstudiengange/data-science-en/">https://professional-school.uni-muenster.de/en/masterstudiengange/data-science-en/</a></p>

## Services

# Contact

**University of Münster**  
Economics

Jannis Wegmann

Königsstraße 47  
48143 Münster

Tel. +49 2518327100

✉ [jannis.wegmann@uni-muenster.de](mailto:jannis.wegmann@uni-muenster.de)

🌐 Course website: <https://professional-school.uni-muenster.de/en/masterstudiengange/data-science-en/>

📘 <https://www.facebook.com/muensterprofessionalschool>

🌐 <https://www.linkedin.com/school/muenster-professional-school/>

📷 [https://www.instagram.com/muenster\\_professional\\_school/](https://www.instagram.com/muenster_professional_school/)

📺 <https://www.youtube.com/@unimuensterprofessionalschool>

Last update 23.11.2024 18:33:38

# International Programmes in Germany - Database

[www.daad.de/international-programmes](http://www.daad.de/international-programmes)  
[www.daad.de/sommerkurse](http://www.daad.de/sommerkurse)

## Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.  
German Academic Exchange Service  
Section K23 – Information on Studying in Germany  
Kennedyallee 50  
D-53175 Bonn  
[www.daad.de](http://www.daad.de)

## GATE-Germany

Consortium for International Higher Education Marketing  
[www.gate-germany.de](http://www.gate-germany.de)

## Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

The publication is funded by the German Federal Ministry of Education and Research and by contributions of the participating German institutions of higher education.



Federal Ministry  
of Education  
and Research