



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Data Science

University of Potsdam • Potsdam

Overview

Degree	Master of Science in Data Science
Teaching language	<ul style="list-style-type: none">English
Languages	The programme is taught in English.
Mode of study	50 / 50 online and on-site
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	1 June
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	The interdisciplinary field of data science deals with methods for using data to automatically produce knowledge, insights, and models for prognosis, risk, and action. The Master's degree programme, which is taught in English, connects machine learning, statistical data analysis, natural scientific methods of data assimilation, and business analytics. The programme offers broad and interdisciplinary structured training in methods and is characterised by a strong emphasis on practice and research.

Course Details

Course organisation	<p>The interdisciplinary structured Master's degree in data science combines content from computer science, mathematics, information systems, and the natural sciences. Core courses provide you with an overarching understanding of machine learning and deep learning, statistical data analysis, data assimilation, business analytics, and big data infrastructures. More specialised courses help you engage with the current state of research in the chosen areas of focus.</p> <p>In seminars, you will work through complex topics, and in the module of applied data science, you</p>
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will apply the competences you have acquired in a practical manner. In the research module, you will be connected to a research project at the University of Potsdam or one of Potsdam's many research institutions. An internship in industry is also an option. Berlin/Potsdam's lively start-up scene and many big data companies offer ample opportunities for internships.

In the four-semester Master's programme, you will earn a total of 120 credit points, consisting of the modules and your Master's thesis. For additional information, please consult the subject-specific [degree regulations](#) or the [Departmental Advisory Office](#).

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A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none"> • International guest lecturers • Specialist literature in other languages
Integrated internships	An internship in industry is a possible option. Berlin/Potsdam's lively start-up scene and many big data companies offer ample opportunities for internships.
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	No tuition is charged for studying at the University of Potsdam (with the exception of a few continuing education courses). There is only an administrative fee of currently 292 EUR. This semester contribution includes the "Deutschland-Semester-Ticket" entitling you to free use of local public transport all over Germany.
Costs of living	The average monthly living expenditures of students at the University of Potsdam are 935 EUR, but this can vary between 600 and 1,100 EUR, largely depending on accommodation. A more detailed list of the average monthly expenditures of our students can be found here .
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	Applying for a Master's degree generally requires you to hold an undergraduate degree, such as a Bachelor's degree. A first degree in either computer science or mathematics qualifies you for this Master's degree in any case. A degree in information systems or natural sciences qualifies you if your first degree strongly emphasised content from the areas of computer science or mathematics. Depending on your background, bridge modules can complete gaps in the other respective
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discipline.

You can find the exact prerequisites for admission in the subject-specific [admission regulations](#) for the Master's degree programme in data science.

Language requirements	The programme requires proof of good English skills corresponding at least to level C1 of the Common European Framework of Reference for Languages.
Application deadline	1 June
Submit application to	Please submit your application online and via mail to uni-assist: Universität Potsdam c/o uni-assist e.V. 11507 Berlin Germany

Services

Possibility of finding part-time employment	Job opportunities for students alongside their studies are numerous. Depending on personal and professional skills, students can find jobs in the service sector (e.g. in restaurants, supermarkets, cinemas, museums, theatres, etc.) or work as student research assistants at the University of Potsdam or at one of the many non-university research institutions located in the area. Berlin, the capital city of Germany, is located just around the corner, and students can also find jobs there. Please see this website for further information.
Accommodation	<p>There are several student dormitories in Potsdam. These are administered exclusively by Potsdam's Association for Student Affairs ("Studentenwerk Potsdam"). You can apply for a room in one of these dormitories if you are under the age of 30. If you are a Master's student, you can only apply if the degree at the University of Potsdam is your first Master's programme. Additionally, there are also a few private dormitories in Potsdam, to which these conditions do not apply. However, many students prefer to find an apartment in Potsdam or Berlin, which they often share with fellow students. The housing market is very tight, so please start looking for an accommodation as early as possible.</p> <p>For information on how to register for a dorm room or find accommodation elsewhere, please click here.</p>
Career advisory service	The Career Service of the University of Potsdam supports students and graduates who want to actively shape their careers. The aim is to ensure comprehensive career orientation and to provide opportunities for the development of professional skills. The Career Service offers workshops, seminars, and individual counselling. There are information pages on a wide range of occupational fields as well as a database of internships and jobs. Many of the services are also available in English.
Support for international students and doctoral candidates	<ul style="list-style-type: none">• Specialist counselling• Visa matters• Welcome event• Buddy programme• Tutors

Contact

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🌐 Course website: <https://www.uni-potsdam.de/en/studium/what-to-study/master/masters-courses-from-a-to-z/data-science-master>

📘 <https://de-de.facebook.com/unipotsdam/>

🐦 <https://twitter.com/unipotsdam>

🌐 <https://www.linkedin.com/school/university-of-potsdam/>

📷 <https://www.instagram.com/unipotsdam>

Last update 12.12.2024 15:40:31

International Programmes in Germany - Database

www.daad.de/international-programmes

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Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.

German Academic Exchange Service

Section K23 – Information on Studying in Germany

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GATE-Germany

Consortium for International Higher Education Marketing

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