



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



MSc Remote Sensing, geInformation, and Visualisation (RSIV)

University of Potsdam • Potsdam

Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none">English
Languages	All courses are held in English (100%), and the Master's thesis is written in English only. However, a basic command of the German language will help for administrative purposes.
Programme duration	4 semesters
Beginning	Winter semester
More information on beginning of studies	The first semester (winter) has five mandatory classes. The beginning of studies is only in the winter semester.
Application deadline	For current application deadlines, please refer to: http://www.uni-potsdam.de/en/studium/dates-and-deadlines/overview.html
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>In the Remote Sensing, geInformation, and Visualisation Master's degree programme, you will develop an advanced understanding of remote sensing in theory and in practice. The programme begins by addressing fundamental principles in the recording and processing of spatial data as they are typically gathered by remote sensing devices. The programme teaches advanced scientific principles of geosciences, computer sciences, physics, chemistry, and biology to quantify environmental process, the recording of remote sensing data and their interaction with the environment. The programme also teaches practical skills in the application of modern data processing methods, especially machine learning methods and big data approaches. It will grant you an overview of the broad range of available remote sensing technologies and data-processing methodologies. You will learn how to apply these technologies and methods to specific problems in (geo)scientific and applied scenarios.</p> <p>We use modern data visualisation tools to analyse and prepare our data, for example, in the generation of prognoses, scientific communication, and the comprehensible presentation of data to representatives from other disciplines as well as non-specialist decision-makers. The programme thereby offers a comprehensive, interdisciplinary understanding of geoscientific questions.</p>

Course Details

Course organisation <https://www.uni-potsdam.de/en/studium/what-to-study/master/masters-courses-from-a-to-z/remote-sensing.html>

https://www.uni-potsdam.de/fileadmin/projects/geo/02_Studium/rsiv/MSc_RSIV_StO_March31_2017.pdf

Additionally, there is an update here: https://www.uni-potsdam.de/fileadmin/projects/geo/02_Studium/rsiv/ambek-2019-02-041b.pdf

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Types of assessment Written and oral exams, homework, posters, and presentations

A Diploma supplement will be issued Yes

International elements

- International guest lecturers
- Courses are led with foreign partners
- Projects with partners in Germany and abroad
- Content-related regional focus
- Training in intercultural skills

Integrated internships You can take two elective internships (not mandatory) to strengthen your skills in research, practical experience, or other fields.

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. There is only an administrative fee (called a "semester contribution") of approx. 300 EUR and this includes a semester ticket entitling you to the free use of public transport all over Brandenburg and Berlin.

Costs of living Living in Germany is rather cheap compared to other countries in Northern and Western Europe. Monthly living expenditures of students at the University of Potsdam vary between 500 and 1,000 EUR, largely depending on accommodation. A more detailed list of the average monthly expenditures of our students can be found [here](#).

Funding opportunities No

Requirements / Registration

Academic admission requirements

Applicants are required to have a Bachelor's degree (or equivalent) in geosciences, physics, mathematics, biology, or computer sciences with at least three years of study. At least 36 ECTS points are required to have been attained from courses taken in geosciences, biology, physics, chemistry, or computer sciences. An additional 12 ECTS points in mathematics and 12 ECTS points in geosciences (not geography) are required. Thus, a total of 60 ECTS points are required to be eligible for admission.

Language requirements

The programme requires proof of English language skills at level B2 CEFR. German language skills are not required but will be helpful for everyday tasks and administrative purposes.

Application deadline

For current application deadlines, please refer to:
<http://www.uni-potsdam.de/en/studium/dates-and-deadlines/overview.html>

Submit application to

<https://www.uni-assist.de/>

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, cinemas, museums, theatres, etc.) or work as student assistants at the University of Potsdam or at one of the many non-university research institutions located in the area. The German capital, Berlin, is located just around the corner, and students can also find jobs there. Please go to [this website](#) for further information.

Accommodation

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 programme at the University of Potsdam is your first Master's degree. 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.

For information on how to register for a dorm room or find accommodation elsewhere, please click [this link](#).

Career advisory service

The Career Service of the University of Potsdam provides comprehensive support for students desiring to actively shape their careers. Through workshops, seminars, and counselling services, students and graduates receive assistance in developing their skills for up to one year after graduation.

International students planning to pursue a professional career in Germany can join a special training programme, which will prepare them for applying to German employers. The Career Service also offers a mentoring programme for female students, which thus gives them the opportunity to be individually mentored by experienced professionals. Furthermore, the Career Service operates a database that is updated on a daily basis with internship and job opportunities.

Specific specialist or non-specialist support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Tutors
- Specialist counselling
- Visa matters

Contact

University of Potsdam

Institute of Geosciences

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🌐 Course website: <https://www.uni-potsdam.de/en/mnfakul/study-and-teaching/master/remote-sensing-geoinformation-and-visualization>

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✉ [Email](#)

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

🐦 <https://twitter.com/unipotsdam>

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

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

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International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

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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".

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