



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Master's degree



## MSc Remote Sensing, geoInformation, and Visualisation (RSIV)

University of Potsdam • Potsdam

### Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	All courses are held in English (100%), and the Master's thesis is written in English only.
Full-time / part-time	<ul style="list-style-type: none"><li>full-time</li></ul>
Mode of study	Less than 50% online
Programme duration	4 semesters
Beginning	Winter semester
Additional information on beginning, duration and mode of study	Most classes and lectures are recorded and will be available on the University of Potsdam Moodle platform. All exams are in-person, and you are required to be on campus.
Application deadline	For current application deadlines, please refer to: <a href="http://www.uni-potsdam.de/en/studium/dates-and-deadlines/overview.html">http://www.uni-potsdam.de/en/studium/dates-and-deadlines/overview.html</a>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

#### Description/content

In the Remote Sensing, geoInformation, 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 processes, 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.

We use modern data visualisation tools to analyse and prepare our data, for example, in the generation of prognoses, scientific communication, and the comprehensive 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.

## Course Details

Course organisation	<p>General Information and Admissions Information: <a href="https://www.uni-potsdam.de/en/mnfakul/study-and-teaching/master/remote-sensing-geoinformation-and-visualization">https://www.uni-potsdam.de/en/mnfakul/study-and-teaching/master/remote-sensing-geoinformation-and-visualization</a></p> <p>Admissions and Study Regulations (German): <a href="https://www.uni-potsdam.de/fileadmin/projects/geo/02_Studium/rsiv/MSc_RSIV_StO_March31_2017.pdf">https://www.uni-potsdam.de/fileadmin/projects/geo/02_Studium/rsiv/MSc_RSIV_StO_March31_2017.pdf</a></p> <p>Admissions and Study Regulations (English): <a href="https://www.uni-potsdam.de/fileadmin/projects/studium/docs/03_studium_konkret/07_rechtsgrundlagen/studienord">https://www.uni-potsdam.de/fileadmin/projects/studium/docs/03_studium_konkret/07_rechtsgrundlagen/studienord</a></p> <p>» PDF Download</p>
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none"> <li>• International guest lecturers</li> <li>• Courses are led with foreign partners</li> <li>• Projects with partners in Germany and abroad</li> <li>• Content-related regional focus</li> <li>• Training in intercultural skills</li> </ul>
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

## Online learning

Pace of course	Instructor-led (Specific due dates for lectures/assignments/exams)
Phase(s) of attendance in Germany (applies to the entire programme)	Yes, compulsory
Types of online learning elements	<ul style="list-style-type: none"> <li>• Access to databases with study material</li> <li>• Discussion forums and / or groups</li> <li>• Flipped Classroom</li> <li>• Online sessions</li> <li>• Online study material provided by institution</li> <li>• Online tutorials</li> </ul>

- Video learning (Pre-recorded videos, Vlogs, Video-Podcasts)

## 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 an administrative fee of approximately 320 EUR per semester. This semester contribution includes a semester ticket entitling you to 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 870 and 1,200 EUR, largely depending on accommodation. A more detailed list of the average monthly expenditures of our students can be found <a href="#">here</a> .
Funding opportunities within the university	No

## Requirements / Registration

Academic admission requirements	<p>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.</p> <p>Please visit <a href="https://www.uni-potsdam.de/fileadmin/projects/ambek/Amtliche_Bekanntmachungen/2022/Ausgabe_02/ambek-2022-02-021-023.pdf">https://www.uni-potsdam.de/fileadmin/projects/ambek/Amtliche_Bekanntmachungen/2022/Ausgabe_02/ambek-2022-02-021-023.pdf</a> for details.</p>
Language requirements	The programme requires proof of English language skills at level B2 CEFR. German language skills are required at level A2 and will be helpful for everyday tasks and administrative purposes.
Application deadline	For current application deadlines, please refer to: <a href="http://www.uni-potsdam.de/en/studium/dates-and-deadlines/overview.html">http://www.uni-potsdam.de/en/studium/dates-and-deadlines/overview.html</a>
Submit application to	<a href="https://www.uni-assist.de/">https://www.uni-assist.de/</a>

## 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,
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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 see [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 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 tight, so please start looking for an accommodation as early as possible.

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 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

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

## Contact

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

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

🐦 <https://twitter.com/geowpotsdam?lang=en>

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

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## 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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