



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Master's degree



## Geosciences (Master of Science)

Leibniz University Hannover • Hannover

### Overview

Degree	Master of Science
Course location	Hannover
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	The programme is open to German-speaking and international students. We guarantee that international students can complete the degree programme with courses held in English, although there are some elective courses that are offered in German only.
Full-time / part-time	<ul style="list-style-type: none"><li>full-time</li></ul>
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	<p>Application from students from non-EU countries (<a href="#">VPD from uni-assist is required</a>)</p> <ul style="list-style-type: none"><li>15 April to 31 May of the year for the winter semester</li><li>15 October to 30 November of the previous year for the summer semester</li></ul> <p><b>Application from students from Germany and the EU</b></p> <ul style="list-style-type: none"><li>1 June to 15 July of the year for the winter semester</li><li>1 December to 15 January of the year for the summer semester</li></ul> <p>Prospective students applying from outside the EU must request a <b>Preliminary Examination Documentation (VPD)</b> from uni-assist before applying to the Master's programme. The processing time for the VPD takes <b>up to eight weeks</b>. Therefore, please allow enough time before applying for the programme. More information about applying for the VPD can be found on the <a href="#">central application pages</a>.</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	The geosciences play a central role in key issues of global importance for the Earth system. Climate

change has dramatic consequences for physical, geochemical, ecological processes on Earth's surface with strong economic and social implications. This includes the development and management of the land surface, the exploration and exploitation of natural resources under dramatically increasing population pressure (water, soil, energy resources, metallic and non-metallic raw materials), the assessment of geohazards, the development of new materials and processes, particularly in the areas of energy efficiency and environmental protection.

In recent decades, geosciences have developed into a natural science with modern physical-chemical measurement methods and strong theoretical and mathematical-physical model thinking. This includes the analysis and modelling of processes that take place on the surface and in deeper areas of Earth on different time and space scales. The aim of the Master's "Geowissenschaften" at Leibniz University Hannover is to provide strong scientific backgrounds with state-of-the-art methods to face the forthcoming problems of economic and social importance related to climate change.

## Course Details

### Course organisation

The Master's degree programme in Geosciences contains only one compulsory module, which is a seminar on communication of scientific results at conferences. All other modules are elective modules. Students can select modules among four specialisation topics:

- Soil/Water (Soil Science, Distribution of Soil Units and Soil Use, Soil Pollution, Soil Processes and Modelling, Environmental Mineralogy, Hydrogeology and Water Management)

- Sedimentary systems and tectonics (Neotectonics and Tectonic Geomorphology, Sedimentary Archives and Palaeoenvironmental Reconstruction)

- Applied geology and geophysics (Sedimentology, Deposits and Raw Materials, Geophysics, Engineering Geology, Numerical Modelling of Geological Processes, most courses are held in German)

- Mineralogy/Geochemistry (Soil Mineralogy, Isotope Geochemistry, Mineral Deposits, Magmatic and Hydrothermal Processes, Crystal Physics and Spectroscopic Analysis of Minerals)

In addition, individual projects (with up to 21 credit points) and excursions can be chosen in each specialisation. It is also possible to attend courses from other degree programmes that complement the geosciences programme (with a maximum of 20 credit points). The submission of a Master's thesis (with 30 credit points) completes the degree programme.

A Diploma supplement will be issued

Yes

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

Approx. 400 EUR semester fee ("Semesterbeitrag")  
The semester fee includes the following:

- Contribution to the "Studentenwerk Hannover" (student services organisation)
- Contribution to the student government (Student Union, AStA)
- Semester ticket
- Contribution to administrative costs for the Federal State of Lower Saxony

<http://go.lu-h.de/study-costs>

#### Costs of living

Compared with other European countries, the cost of living in Germany is quite reasonable. The prices for food, accommodation, clothing, cultural events, etc. are basically in line with the EU average. You will need around 850 EUR a month to cover your living expenses. The largest expense will be your monthly rent. In Hanover, the rent amounts to between 300 and 500 EUR per month.

Cost of studying at Leibniz University Hannover:

<http://go.lu-h.de/study-costs>

General information on the cost of studying in Germany:

[https://www.study-in.de/en/plan-your-stay/money-and-costs/cost-of-living\\_28220.php](https://www.study-in.de/en/plan-your-stay/money-and-costs/cost-of-living_28220.php)

#### Funding opportunities within the university

Yes

#### Description of the above-mentioned funding opportunities within the university

Although tuition fees no longer exist in Lower Saxony, costs are indeed incurred at university, such as the semester fee, accommodation and living costs, and costs for learning materials. Here you will find possibilities to help you finance your studies:

[www.uni-hannover.de/en/studium/finanzierung-foerderung](http://www.uni-hannover.de/en/studium/finanzierung-foerderung)

Deutschlandstipendium:

[go.lu-h.de/deutschlandstipendium](http://go.lu-h.de/deutschlandstipendium)

Niedersachsenstipendium:

[go.lu-h.de/niedersachsenstipendium](http://go.lu-h.de/niedersachsenstipendium)

## Requirements / Registration

#### Academic admission requirements

Academic admission requirements include a Bachelor's degree or equivalent degree in Geosciences, Geophysics or physical Geography. In addition, applicants with other degrees may also be admitted, assuming that the previous studies provide most of the required background for the Master's programme. In particular, students must have sufficient knowledge of Fundamentals in Natural Sciences (Mathematics, Physics, Chemistry) and Geosciences.

Prior to the final admission, the admission committee can invite applicants to a 15 to 20 minute online interview carried out by the lecturers of the degree programme. The interview helps determine if the applicant is capable of successfully completing the desired study programme.

#### Language requirements

Language requirements for international applicants: English B2

#### Application deadline

Application from students from non-EU countries (**VPD from uni-assist is required**)

- 15 April to 31 May of the year for the winter semester
- 15 October to 30 November of the previous year for the summer semester

Application from students from Germany and the EU

- 1 June to 15 July of the year for the winter semester
- 1 December to 15 January of the year for the summer semester

Prospective students applying from outside the EU must request a **Preliminary Examination Documentation (VPD)** from uni-assist before applying to the Master's programme. The processing time for the VPD takes **up to eight weeks**. Therefore, please allow enough time before applying for the programme. More information about applying for the VPD can be found on the [central application pages](#).

#### Submit application to

Applicants from **non-EU countries** can only apply with **apreliminary review documentation (VPD)** from uni-assist. You must apply for this with uni-assist at least eight weeks before the application deadline for the study programme expires. Take this into account when planning your application! For [more information](#), please visit our website.

## Services

#### Possibility of finding part-time employment

There are many job opportunities for students on campus (in the different departments, the central administration, etc.) and off campus. About two-thirds of our students work at part-time jobs while pursuing their studies.

Internal job postings:

<https://www.uni-hannover.de/en/universitaet/stellenangebote-arbeit-an-der-uni/jobboerse>

Student jobs outside of the university:

[jobbico Uni Hannover](#)

#### Accommodation

[Links on housing in Hanover](#) (including a video about housing in Hanover for international students)

#### Career advisory service

The job market is complex and offers a wide range of options for students when they finish their degrees. Decisive factors for a successful start to your career are a clear professional goal, some initial experience in actual practice, contacts in the working world, and the ability to make a convincing impression in the job application process. The Career Service supports students from all subjects on their personal journey from their studies via internships to their careers.

[www.zqs.uni-hannover.de/en/kc/career-guidance-and-service/individual-advice/](http://www.zqs.uni-hannover.de/en/kc/career-guidance-and-service/individual-advice/)

#### Support for international students and doctoral candidates

- Buddy programme

#### General services and support for international students and doctoral candidates

Leibniz University Hannover wants to support and promote young scientists in all phases of their careers, from their doctorates and postdoctoral studies to their "Habilitation" or tenure-track professorship in a structured and advisory manner.

More Information: <https://www.uni-hannover.de/en/forschung/wissenschaftlicher-nachwuchs-1>

# Contact

**Leibniz University Hannover**  
Naturwissenschaftliche Fakultät

Dr Nadja Pierau

Appelstr. 11a  
30167 Hannover

✉ [pierau@nat.uni-hannover.de](mailto:pierau@nat.uni-hannover.de)

🌐 Course website: <https://www.uni-hannover.de/en/studium/studienangebot/info/studiengang/detail/geosciences-1>

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

🐦 <https://twitter.com/unihannover?lang=de>

🌐 <https://www.linkedin.com/school/leibniz-universit-t-hannover-germany/?originalSubdomain=de>

📷 [https://www.instagram.com/uni\\_hannover/](https://www.instagram.com/uni_hannover/)

📺 <https://www.youtube.com/c/LeibnizUniversit%C3%A4tHannover>

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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)

## 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".

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