



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Doctorate



Geoscience PhD

University of Göttingen • Göttingen

Overview

Degree	Dr rer nat / PhD Geoscience
Teaching language	<ul style="list-style-type: none">• German• English
Languages	Courses are held in English (75%) and German (25%).
Programme duration	6 semesters
Beginning	Winter and summer semester
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The PhD programme Geoscience is based on three research foci of the faculty. These are:</p> <ol style="list-style-type: none">1. Coupled processes among the geosphere, hydrosphere, atmosphere and biosphere <p>This research focus examines geological, mineralogical, crystallographic and biological processes in the formation of minerals and rocks. Interactions at different geological and biological interfaces are investigated. At these interfaces, mass transfer processes take place, beginning in the low-thermal region and extending to the upper temperature limit for life (110-120°C).</p> <ol style="list-style-type: none">2. Dynamics and transport processes of the lithosphere <p>This priority focuses on the fundamental processes that control the dynamics of the lithosphere and the design of the earth's surface. The extent and nature of volcanic eruptions are determined by the physical properties of melts and their chemical evolution in the magma reservoir. The geochemical composition, isotopic tracers and the physical properties of the magmas are examined analytically and experimentally. They make it possible to reconstruct the origin, depth and activity of magma chambers.</p> <ol style="list-style-type: none">3. Coupled processes in georeservoirs <p>The development of geological reservoirs in the earth's crust (georeservoirs) for applications beyond hydrocarbon extraction has been intensified worldwide over the past decades. For example, the use of geothermal energy as a renewable, base-load energy source and the storage of gases and energy in geological formations are of growing economic and societal importance.</p> <p>By participating in a number of externally funded projects, doctoral candidates learn to perform</p>

independent scientific work. Through active participation in the scientific affairs of the faculty or the Geoscience Centre, students acquire knowledge and skills that go beyond a curricular programme of study.

Course Details

Course organisation	The focus of the PhD programme lies on the individual research of the PhD students (160 ECTS are gained by dissertation and defence), which is accompanied by a variety of courses: 20 ECTS are gained by completing courses, one compulsory course on theory and methods is included, and three elective courses are part of the programme (e.g., on reflecting research, scientific communication, scientific teaching, key competencies, etc.). Students are free to decide on the specific courses they will complete during each semester.
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	Fees are around 400 EUR per semester. The fees include a prepaid semester ticket that entitles students to use regional trains in Germany free of charge. Fees: http://www.uni-goettingen.de/fee Semester ticket: http://www.uni-goettingen.de/en/16432.html
Costs of living	The average cost of living in Göttingen is modest compared to other major university cities in Germany. Currently, expenses for accommodation, food, health insurance and books are about 850 EUR per month. Please note that fees for health insurance may vary according to age. Students of the University of Göttingen receive discounts for cultural events. Meals and drinks are also available at reduced prices at all university canteens. For further information, please see the following link: www.uni-goettingen.de/en/54664.html
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	The confirmation of one potential supervisor from the Faculty of Geoscience and Geography to supervise the doctoral thesis is required upon application. Please see the course website for the entire admission regulations and details about the application procedure: https://www.uni-goettingen.de/en/430861.html
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Language requirements	<p>Applicants must provide proof of their English skills, e.g.:</p> <ul style="list-style-type: none"> • Cambridge Certificate in Advanced English, at least grade "B" • Cambridge Certificate of Proficiency in English, at least grade "C" • IELTS Academic (International English Language Testing System): at least 6 • TOEFL iBT: at least 80 points • TOEFL PBT (paper-based): at least 550 points • CEFR (Common European Framework of Reference): at least level B2 certificate • UNIcert: at least level III • successful graduation from an English-language study programme
Submit application to	<p>University of Göttingen Dekanat der Fakultät für Geowissenschaften und Geographie Goldschmidtstr. 3 37077 Göttingen Germany</p>

Services

Possibility of finding part-time employment	<p>The university supports students in finding part-time jobs in local industry and businesses. A number of student jobs are also available at the university. They are announced on the following website: www.stellenwerk-goettingen.de</p> <p>Please note that restrictions may apply with your scholarship or visa.</p> <p>Some proficiency in German may be indispensable to your job search. Non-EU students are permitted to work a maximum of 120 full days (240 half days) per year.</p>
Accommodation	<p>The Accommodation Service of the International Office supports international students who are enrolled at the University of Göttingen in finding accommodation and serves as a point of contact for related queries. The Accommodation Service also publishes suitable offers from private landlords in Göttingen and collaborates with the Student Services ("Studentenwerk"). As the number of available accommodation options in Göttingen is limited, it is highly recommended to contact the Accommodation Service as early as possible.</p> <p>Further information: https://www.uni-goettingen.de/en/617883.html</p> <p>Please note: For doctoral students, accommodation services are only available if you have a low income.</p>
Structured research and supervision	Yes
Research training / discussion	Yes
Career advisory service	<p>The Career Service of the university offers individual support for the job entry. Especially for international students aiming for a career entry in Germany, the Career Service provides topic-specific workshops, online learning modules, and a qualification programme. www.uni-goettingen.de/en/292.html</p> <p>The project "Start Guides" also offers assistance in developing and realising individual career perspectives in Germany. www.uni-goettingen.de/en/637664.html</p>

If you are interested in the topic of founding a company, start-up support is offered! The university supports you with advice, funding, qualification formats and network contacts. www.uni-goettingen.de/en/en/1279.html

Support for international students and doctoral candidates

- Support with registration procedures

General services and support for international students and doctoral candidates

<https://www.uni-goettingen.de/en/567628.html>

Contact

University of Göttingen

Dekanat der Fakultät für Geowissenschaften und Geographie

37077 Göttingen

Tel. +49 5513927976

✉ dekanat@geo.uni-goettingen.de

🌐 Course website: <https://www.uni-goettingen.de/de/430861.html>

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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
Kennedyallee 50
D-53175 Bonn
www.daad.de

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".

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