



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Doctorate



PEI – PhD Programme for Environmental Informatics

University of Göttingen • Göttingen

Overview

Degree	Dr rer nat
Teaching language	<ul style="list-style-type: none">• German• English
Languages	Courses are held in English and German. Participants can choose to write their doctoral theses in either language.
Full-time / part-time	<ul style="list-style-type: none">• full-time
Programme duration	6 semesters
Beginning	Only for doctoral programmes: any time
Application deadline	No deadline
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

Description/content

Environmental informatics is understood to be an integrated subject consisting of bio-, eco- and geoinformatics in addition to scientific computing. By using the tools of informatics in this subject, anyone can study or model objects, structures, regulatory networks, or processes (signals, materials and information flows) at various scales and integration levels. Under the umbrella of environmental informatics, the transfer of knowledge about biological, ecological and environmental systems and the system-oriented integration of these will be improved and promoted using up-to-date methods and technology. This important integrative approach at the system level is embedded in the graduate school GAUSS and in the research landscape of Göttingen. The excellent biological, ecosystemic, environmental and mathematical research in Göttingen is reflected in this PhD programme.

Sub-programmes:

- bioinformatics (computational molecular biology and genetics; including medical/clinical bioinformatics)
- ecoinformatics (modelling of interacting organisms and computational ecosystem sciences)
- geoinformatics (geographical information systems, remote sensing and computational

- geosciences)
- scientific computing (computational aspects of physics, chemistry, biology, engineering, etc.)

Course Details

Course organisation	Organisation of studies depends on the chosen sub-programme (bioinformatics, ecoinformatics, geoinformatics or scientific computing) and is rather flexible. Please contact your preferred supervisor from one of these sub-programmes for further information.
International elements	<ul style="list-style-type: none"> Projects with partners in Germany and abroad International guest lecturers
Integrated internships	None
Teaching/work obligations or opportunities	A certain participation in teaching is required, in the form of giving some course (guided by the principal supervisor) or by co-supervision of students' projects, BSc or MSc theses.
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	<p>Fees are up to 400 EUR per semester. The fees include a prepaid semester ticket that entitles students to use regional trains in Germany free of charge.</p> <p>Fees: http://www.uni-goettingen.de/fee</p> <p>Semester ticket: http://www.uni-goettingen.de/en/16432.html</p>
Costs of living	<p>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 900 EUR per month. Please note that fees for health insurance may vary according to age.</p> <p>Students of the University of Göttingen receive discounts for cultural events. Meals and drinks are also available at reduced prices at all university canteens.</p> <p>For further information, please see the following link: www.uni-goettingen.de/en/54664.html</p>
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	Academic admission requirements include successful graduation (MSc level) in one or several of the following disciplines: computer science, mathematics, some natural sciences, environmental informatics, bioinformatics, geoinformatics, medical informatics, informatics in economy, forest science, agriculture, geography. In the case of forest science, agriculture or geography, a focus should have been on computer science, mathematics or natural sciences, visible in the curriculum of the previous MSc studies. At least 30 ECTS credits (or an equivalent workload) in mathematics and computer science have to be documented from the BSc- and MSc-level studies. A PhD topic should be chosen and a consent of supervision must be given by a member of the PEI board of supervisors. A thesis committee should be specified.
Language requirements	German and English recommended
Application deadline	No deadline
Submit application to	Georg-August-Universität Göttingen Abteilung Ökoinformatik, Biometrie und Waldwachstum Büsgenweg 4 37077 Göttingen Germany

Services

Possibility of finding part-time employment	<p>The university supports students in finding part-time jobs in local industries 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. Non-EU students are subject to special regulations.</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> <p>Depending on the individual situation, temporary scientists' positions may be available at the participating chairs. Please contact your prospective supervisor for information.</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>For further information, please see the following link: 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

The [Career Service](#) offers individual support whether you want to work in Germany or abroad.

Especially for international students aiming for a career entry in Germany, there are workshops, online learning modules, and a qualification programme as well as digital career tools and a virtual community for international employment opportunities.

For international students and prospective graduates, the project “[Start Guides](#)” offers assistance in developing and realising individual career perspectives in Germany.

If you have a promising business idea or 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.

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

The [International Office](#) provides a wide range of services for international students and doctoral candidates.

German students help newly arrived students to adapt to the university and the city during their [first weeks](#).

There is also an [orientation week](#) for new international students, which provides valuable information about Göttingen and the university.

[Study Buddy Programme](#) as a part of the project Integration and Diversity at Göttingen University (InDiGU)

[Foyer International](#): Cultural evenings and more for all students

[German courses](#) during studies (free of charge)

Contact

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Ecoinformatics, Biometrics and Forest Growth

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🌐 Course website: <https://www.uni-goettingen.de/en/30826.html>

📘 <https://www.facebook.com/University.of.Goettingen>

🐦 <https://twitter.com/unigoettingen>

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

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

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International Programmes in Germany - Database

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

Editor

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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".

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