



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



## Table of Contents

<b>Master's degree .....</b>	<b>2</b>
<b>Applied Computer Science (MSc) • University of Göttingen • Göttingen.....</b>	<b>2</b>

# Master's degree



## Applied Computer Science (MSc)

University of Göttingen • Göttingen

### Overview

Degree	Master of Science (MSc)
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	Courses are held in English and German. It is possible to graduate by attending only courses that are held in English. In some specialisations, courses held in German are mandatory.
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	Non-EU applicants: 15 April for the following winter semester and 15 October for the following summer semester EU applicants: 15 June for the following winter semester and 15 December for the following summer semester
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

#### Description/content

Students may select one programme specialisation for professionalisation from one of the two concentrations: Systems-Oriented Concentration and Application-Oriented Concentration.

#### Systems-Oriented Concentration

- Applied Systems Development
- Applied Systems Development with a concentration in Bioinformatics
- Applied Systems Development with a concentration in Geoinformatics
- Applied Systems Development with a concentration in Ecological Informatics
- Applied Systems Development with a concentration in Medical Informatics
- Applied Systems Development with a concentration in Law and Computer Science
- Applied Systems Development with a concentration in Business Informatics
- Applied Systems Development with a concentration in Scientific Computing
- Applied Systems Development with a concentration in Computational Neuroscience
- Applied Systems Development with a concentration in Digital Humanities

## Application-Oriented Concentration

- Bioinformatics
- Geoinformatics
- Ecological Informatics
- Medical Informatics
- Law and Computer Science
- Business Informatics
- Scientific Computing
- Computational Neuroscience
- Digital Humanities
- Data Science

## Course Details

### Course organisation

The Master's course of studies encompasses 120 ECTS credit points (C). These 120 C are divided among the following fields – Core Curriculum (30 C), Professionalisation (60 C), Master's thesis (30 C). Detailed information can be found in the exam and study regulations and in the module catalogue, which is available here: <https://www.uni-goettingen.de/en/40964.html>.

The Master's course of studies does not include any mandatory study modules. Instead, students arrange with their mentor individually tailored, goal-oriented course schedules within the scope of the study and examination regulations. The individual course schedules are approved by the Dean of Studies.

In the Core Curriculum, students acquire deeper knowledge of systems-oriented computer science in order to develop the professional skills to apply and expand the specialised methods of the discipline.

In terms of professionalisation, students have the opportunity to choose between Systems-Oriented Concentration and Application-Oriented Concentration tailored to their individual and professional inclinations, as well as professional ambitions, and to acquire core job-specific and interdisciplinary skills.

While 48 C are selected from Applied Computer Science or the field of specialisation in the Application-Oriented Concentration, 30 C are selected from Applied Computer Science or the field of specialisation and 18 C may be selected from the Computer Science Core in the Systems-Oriented Concentration.

Professionalisation includes an additional 12 C key qualifications and competences.

### International elements

- Specialist literature in other languages
- Language training provided
- Projects with partners in Germany and abroad

### Course-specific, integrated German language courses

No

### Course-specific, integrated English language courses

No

## Costs / Funding

### Tuition fees per semester in

None

**Semester contribution** Fees are around 400 EUR per semester. The fees usually include a prepaid semester ticket that entitles students to use regional trains (in Lower Saxony and Bremen) and city buses in Göttingen free of charge. Students of the University of Göttingen receive discounts for cultural events. Meals and drinks are also available at reduced prices at all university canteens.

Fees: <http://www.uni-goettingen.de/fee>

**Costs of living** The average cost of living in Göttingen is modest compared to other major university cities in Germany. For further information, please see the following link: [www.uni-goettingen.de/en/54664.html](http://www.uni-goettingen.de/en/54664.html).

**Funding opportunities within the university** Yes

**Description of the above-mentioned funding opportunities within the university** Deutschlandstipendium: <https://uni-goettingen.de/en/218085.html>  
Niedersachsenstipendium: <https://uni-goettingen.de/en/306042.html>

## Requirements / Registration

**Academic admission requirements** As a requirement for admission to the Master's degree programme, the applicant must have completed at least a six-semester degree programme with conferral of a Bachelor's degree in a degree programme in "Computer Science", or in a closely related discipline comprising at least 180 ECTS credits. The conferral of an equivalent degree earned in a degree programme completed at a German university or a university situated in one of the Bologna signatory states also meets the requirements for admission.

As prerequisite for the appropriateness of past academic achievements, proof of at least 90 credits in computer science, applied computer science, foundations in mathematics, and foundations in natural science must be furnished. It is necessary to provide proof of at least 60 credits in computer science and applied computer science and at least 15 credits in the foundations of mathematics and natural science.

All international applicants are required to take an online aptitude test, which examines a wide range of topics in computer science. A few days after the end of the application period, the test and personal login credentials will be sent to all applicants via e-mail. Furthermore, all applicants who are on the shortlist for the programme will be invited to a personal interview, conducted as a video call.

**Language requirements** English-language skills must be demonstrated by the minimum passing grade in an internationally recognised test, or by equivalent proof. The test may not be taken later than two years prior to submission of the application for admission to the Master's degree programme (date received).

Detailed information is given here: <https://www.uni-goettingen.de/en/630842.html>.

**Application deadline** Non-EU applicants: 15 April for the following winter semester and 15 October for the following summer semester  
EU applicants: 15 June for the following winter semester and 15 December for the following summer semester

**Submit application to** Online application portal: <https://www.uni-goettingen.de/en/619499.html>

# Services

## Accommodation

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. For further information, please see the following link: <https://www.uni-goettingen.de/en/617883.html>

## Career advisory service

The Career Service of the University of Göttingen offers individual support to facilitate your successful transition from the academic to the professional world — whether you want to work in Germany or abroad. Especially for international students aiming for a career entry in Germany, the Career Service provides topic-specific "Career Impulse Sessions", workshops, online learning modules, and a qualification programme in "Building International Careers" as well as digital career tools and a virtual community for international employment opportunities: [www.uni-goettingen.de/en/292.html](http://www.uni-goettingen.de/en/292.html)

## Support for international students and doctoral candidates

- Buddy programme
- Welcome event

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

- International Office of the Faculty: <https://www.uni-goettingen.de/en/631614.html>
- International Office of the University: <https://www.uni-goettingen.de/en/627445.html>

# Contact

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🌐 Course website: <https://uni-goettingen.de/en/619499.html>

📘 <https://www.facebook.com/ifi.uni.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](http://www.daad.de/international-programmes)  
[www.daad.de/sommerkurse](http://www.daad.de/sommerkurse)

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## 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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