



Deutscher Akademischer Austauschdienst
German Academic Exchange Service

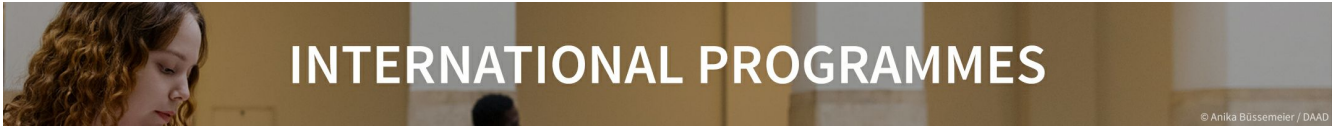


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Master's degree



Computer Science – Master of Science

Leibniz University Hannover • Hannover

Overview

Degree	Master of Science
Course location	Hannover
Teaching language	<ul style="list-style-type: none">• German• English
Languages	<p>There are elective courses – 35% of the elective courses are English and 65% of the elective courses are German. The choice is limited in English, but there are enough modules in English to complete the degree programme. Participants can choose to write their Master's theses in either language. Basic knowledge of German for administrative processes is an advantage.</p>
Full-time / part-time	<ul style="list-style-type: none">• full-time
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	<p>Application from students from non-EU countries (VPD from uni-assist is required)</p> <ul style="list-style-type: none">• 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 <p>Application from students from Germany and the EU</p> <ul style="list-style-type: none">• 1 June to 15 July of the year for the winter semester• 1 December to 15 January of the year for the summer semester <p>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.</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

Description/content

In this Master's degree programme, students expand on computer science subjects of their choice, e.g. computational health informatics, knowledge based systems, data science and digital libraries, visual analytics, scientific data management, database and information systems, empirical information security, machine learning, natural language processing, software engineering, human-computer interaction, usable security and privacy, real time systems, systems and computer architecture, dependable and scalable software systems, digital education and didactics of computer science, and theoretical computer science. In addition, students can also take a subsidiary subject, several basic computer science courses, and an industrial placement. Within the Studium Generale, students can gain key transferable skills such as foreign languages, visualisation and presentation, communication skills and team skills. The degree programme concludes with the Master's thesis in the fourth semester. As part of the Master's degree in computer science, you can set a thematic focus in your studies. You can choose between "Data Science", "Human-Centred Computing" and "System-Related Computer Science". At the end of your studies, you will receive a corresponding certificate from the faculty. For this, you must complete at least 45 CP (without a Master's thesis) in one of the specialisations.

However, the choice is limited in the individual module groups. Currently, there are English modules in the module groups data science and digital libraries, machine learning, dependable and scalable software systems, knowledge based systems, scientific data management and natural language processing. There are enough modules in English to complete the degree programme.

Course Details

International elements

- International guest lecturers
- Specialist literature in other languages

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

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

Deutschlandstipendium:

go.lu-h.de/deutschlandstipendium

Niedersachsenstipendium:

go.lu-h.de/niedersachsenstipendium

Requirements / Registration

Academic admission requirements

The prerequisite for access to the Master's degree programme "Computer Science" is a Bachelor's degree in a subject-related previous degree from a university recognised by the German Conference of Ministers of Education (see: <http://anabin.kmk.org>, search for "institutions").

An admissions committee decides whether the previous degree is suitable (subject-specific). You can use the following information to assess your chances of admission in advance.

For the Master's programme in Computer Science, previous studies are required:

15 ECTS-LP in Mathematics

10 ECTS-LP in Theoretical Computer Science

20 ECTS-LP in Computer Science Fundamentals

20 ECTS-LP in Advanced Computer Science

You may be admitted with the condition that you make up any missing Bachelor's modules within two semesters.

Language requirements

You have to present a German or English language certificate at C1 level. Accepted language certificates are listed here: https://www.uni-hannover.de/fileadmin/luh/images/fsz/Uebersicht_akzeptierte_Sprachnachweise_an_der_LUH_01.pdf

A certificate of an English-speaking Bachelor's degree is not accepted as proof. Access to the study programme is possible with a C1 language level in English or German. So far, rules and information options for students exist mostly in German only (such as the module catalogue or introductory events). A basic knowledge of German is therefore highly recommended.

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 **preliminary 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/

Support for international students and doctoral candidates

- Buddy programme

Contact

Leibniz University Hannover

Fakultät für Elektrotechnik und Informatik - Studiengangskoordination Informatik

Appelstraße 11/11a
30167 Hannover

✉ studium@uni-hannover.de

🌐 Course website: <https://www.uni-hannover.de/en/studium/studienangebot/info/studiengang/detail/computer-science-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.youtube.com/c/LeibnizUniversit%C3%A4tHannover>

Last update 08.01.2025 21:34:10

International Programmes in Germany - Database

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

Editor

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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".

The publication is funded by the German Federal Ministry of Education and Research and by contributions of the participating German institutions of higher education.



Federal Ministry
of Education
and Research