



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Computer Science

University of Bonn • Bonn

Overview

Degree	Master of Science in Computer Science
Course location	Bonn
Teaching language	<ul style="list-style-type: none">English
Languages	All courses are held in English.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	<ul style="list-style-type: none">For the winter semester: 1 May for non-EU citizens, 1 September for EU citizens and nationals from countries that are visa-exemptedFor the summer semester: 1 November for non-EU citizens, 1 March for EU citizens and nationals from countries that are visa-exempted <p>Please verify these dates on our website before applying: https://www.informatik.uni-bonn.de/en/studies/examination-office/deadlines-at-a-glance#AdmissionMaster</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>Our Master's programme is a full-time programme taught entirely in English with a research-based profile requiring talent and ambition. The standard period of study is four semesters, including the Master's thesis.</p> <p>The programme comprises four tracks, each corresponding to one of the four main areas of competence in research at our institute:</p> <ul style="list-style-type: none">algorithmsgraphics, vision, audioinformation and communication managementintelligent systems

This programme is a general, theory-focused computer science programme. Our students need to cover three out of the four tracks offered. In the second semester, our students choose an area of focus from the four tracks.

Close cooperation with many internationally renowned research institutions in and near Bonn enables our students to access interesting internal project groups and enlarges the range of fascinating subjects for theses and research work.

Research institutions in and near Bonn:

- Bonn-Aachen International Center for Information Technology (B-IT)
- Research Institute for Discrete Mathematics
- Fraunhofer Center Schloss Birlinghoven
- Fraunhofer Center Wachtberg
- Hausdorff Research Institute for Mathematics

Course Details

Course organisation

The curriculum of our Master's programme is divided into four sub-curricula, each corresponding to one of the four main areas of competence in research at the Institute for Informatics (algorithms; graphics, vision, audio; information and communication management; intelligent systems).

The standard period of study is four semesters, including the Master's thesis. The programme is taught in the form of modules which consist of teaching units with a duration of one semester. Each module is completed with an exam. Three different types of modules are offered: lectures, seminars, and labs. The basis of evaluation is formed by score points (ECTS points). The Master's programme is successfully completed once 120 ECTS points have been obtained. Of these, 88 ECTS points will be obtained from modules of at least three out of all four tracks, 30 points from the Master's thesis and two points from the seminar accompanying the Master's thesis. After the second semester, our students choose an area of focus from the four tracks. Between 31 and 61 ECTS points must be obtained from this area. Seminars and labs prepare for the Master's thesis and therefore should be taken from the area of focus.

A Diploma supplement will be issued

Yes

Integrated internships

The curriculum includes an internship (lab) in one of the institutes' research groups.

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

The University of Bonn is a public university, meaning that it does not charge tuition fees. However, all students must pay the so-called social contribution (semester fee) of about 330 EUR per semester. It includes a student transit pass for public transport and a statutory accident insurance, among other things.

Costs of living

Compared to the rest of Europe, living in Germany is not very expensive. As of January 2023, in order to obtain a visa, you are expected to demonstrate funds of 934 EUR per month. This seems to be a fairly realistic estimate of your actual projected costs. Please have a look at the DAAD website (search for "cost of living") for more details about the cost of living as a student in Germany.

Funding opportunities within the university

No

Requirements / Registration

Academic admission requirements

- Bachelor of Science degree in computer science
- Additional qualification requirements for the Bachelor's degree (credits in theoretical computer science, mathematics, programming, etc.)

For detailed information on our application process and required documents, applicants are asked to carefully read the guidelines on our website:

<https://www.informatik.uni-bonn.de/en/studies/master-programs/master-program-application>

Before applying, prospective students are asked to have a close look at our eligibility criteria!

Language requirements

Submission of a TOEFL or IELTS result is mandatory for all applicants. Applications without either test result will not be considered.

Exempt from this rule are: holders of first degrees earned in Antigua & Barbuda, Australia, The Bahamas, Barbados, Belize, English-speaking Canada, Gambia, Ghana, Grenada, Guyana, Republic of Ireland, Jamaica, Kiribati, Liberia, Mauritius, Micronesia, New Zealand, Nigeria, Papua New Guinea, St. Kitts-Nevis, St. Lucia, St. Vincent, Sierra Leone, Solomon Islands, Trinidad & Tobago, United Kingdom, United States, Zambia or Zimbabwe.

Minimum scores for TOEFL/IELTS (results below minimum score will not be accepted):

- TOEFL Internet-based: 18 points in all four test areas
- IELTS: 5.5 in all four test areas

Applicants taking the TOEFL test are asked to use the university's TOEFL code number 4856.

Application deadline

- For the winter semester: 1 May for non-EU citizens, 1 September for EU citizens and nationals from countries that are visa-exempted
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Please verify these dates on our website before applying: <https://www.informatik.uni-bonn.de/en/studies/examination-office/deadlines-at-a-glance#AdmissionMaster>

Submit application to

For further information on the application process, please see <https://www.informatik.uni-bonn.de/en/studies/master-programs/master-program-application>

Services

Possibility of finding part-time employment

An excellent way for students to fund their studies and gain practical experience at the same time and meet future employers is to take a student job at one of the many information technology

companies in the Bonn/Cologne area. An online job board is available from the University of Bonn and the "Studentenwerk Bonn" and "Fachschaft Informatik" (<https://www.fachschaft.info/service/jobangebote>).

A number of student research assistantships are also available at our institute and at the cooperating research institutions, such as Fraunhofer Schloss Birlinghoven and Wachtberg.

Accommodation

Students of the University of Bonn can apply for a room in a dormitory of the Studierendenwerk Bonn (further information: <https://www.studierendenwerk-bonn.de/en/accommodation/>).

For more information on housing in Bonn, please visit our website: www.uni-bonn.de/en/university/university-life/living-in-bonn.

Career advisory service

The University of Bonn has a central career service, which provides a range of advice and support about choosing a career and applying for jobs. Moreover, international students can join the "iStart" career programme, which teaches participants tangible knowledge and valuable skills that will enable them to write successful applications for jobs in Germany. The programme is geared toward giving students a successful career path both during and after their studies, thus making it easier for them to enter the job market.

Support for international students and doctoral candidates

- Welcome event
- Specialist counselling

General services and support for international students and doctoral candidates

The University of Bonn offers a range of different support programmes for international students. The Welcome Days before the start of every semester are an opportunity for new students from abroad to gather information on the most important issues, such as enrolment, registration with the local authorities, and opening a bank account. Getting to know fellow international and German students during recreational activities is another benefit of the Welcome Days.

Contact

University of Bonn

Institute of Computer Science

Friedrich-Hirzebruch-Allee 5
53115 Bonn

✉ application@informatik.uni-bonn.de

🌐 Course website: <https://www.informatik.uni-bonn.de/en/studies/master-programs/master-computer-science>

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International Programmes in Germany - Database

www.daad.de/international-programmes

www.daad.de/sommerkurse

Editor

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German Academic Exchange Service

Section K23 – Information on Studying in Germany

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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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