



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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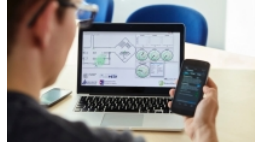
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# Master's degree



## Master of Science in Computer Science

Paderborn University • Paderborn



## Overview

Degree	Master of Science in Computer Science
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	Courses are generally held in English with only a few (non-mandatory) exceptions held in German. Participants can choose to write their Master's theses in either language.
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	Winter semester (starting in October): 31 May Summer semester (starting in April): 30 November
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	We offer an excellent Master's programme in computer science at a world-leading research institute. Enrolling in this programme will give you the possibility to learn about the most exciting recent developments in computer science. The Master's programme in Paderborn is divided into seven specialisation areas: Algorithm Design, Computer Systems, Data Science, Intelligence and Data, Networks and Communication, Security, and Software Engineering. You can choose to specialise in one of these areas.

## Course Details

Course organisation	The programme is organised in modules, with an overall workload of 120 ECTS credit points. A course module usually consists of exactly one course. Students must complete eight of these
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modules (6 ECTS credits each) in total. Of these course modules, three have to be done in a specialisation area, which has to be chosen from the seven focus areas: Algorithm Design, Computer Systems, Data Science, Intelligence and Data, Networks and Communication, Security, and Software Engineering. The student is almost completely free to choose the areas of the other five modules.

In addition, two seminar modules (5 ECTS credits each) have to be taken. A main element of the Master's programme is the student project group (20 ECTS credits). In the project group, teams of about eight to 16 students work together on a research-related project for one year. The final part of the programme is the preparation and writing of the Master's thesis, which usually takes place during the last semester (30 ECTS credits). Twelve additional credit points must be earned either in a minor subject or in general studies, with a choice of courses from a variety of fields. It is recommended that international (non-German speaking) students take a German language course as part of their general studies.

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<b>A Diploma supplement will be issued</b>	Yes
<b>International elements</b>	<ul style="list-style-type: none"> <li>• International guest lecturers</li> <li>• Specialist literature in other languages</li> </ul>
<b>Course-specific, integrated German language courses</b>	No
<b>Course-specific, integrated English language courses</b>	No

## Costs / Funding

<b>Tuition fees per semester in EUR</b>	None
<b>Semester contribution</b>	About 310 EUR per semester
<b>Costs of living</b>	Rent: approx. 320 EUR Health insurance: 96 EUR Food: 200 EUR Leisure: approx. 80 EUR Semester fees: 52 EUR/month (approx. 310 EUR each semester) Miscellaneous: about 100 EUR Sum: 848 EUR
<b>Funding opportunities within the university</b>	No

## Requirements / Registration

<b>Academic admission requirements</b>	BSc in computer science or a related subject General higher education entrance certificate or equivalent
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A GRE test is required if the grade of your Bachelor degree has a value of 1.5 or higher when converted to the German grading system.

Your Bachelor's degree should contain at least 20 credits in Software Engineering, at least 20 credits in Theoretical Computer Science, at least 15 credits in Technical Informatics, at least 15 credits in Basic Mathematics of Computer Science, and at least 8 credits in Human-Computer Interaction.

<b>Language requirements</b>	TOEFL with a 550 (paper-based) or 80 (Internet-based) score; IELTS 6.5; Cambridge First Certificate Degree B; British Council IELTS, Minimum Band 6.5; Duolingo with at least 105 points.
<b>Application deadline</b>	Winter semester (starting in October): 31 May Summer semester (starting in April): 30 November
<b>Submit application to</b>	<a href="https://www.uni-assist.de/online/?lang=en">https://www.uni-assist.de/online/?lang=en</a>

## Services

<b>Possibility of finding part-time employment</b>	There are many opportunities for students to find employment, either as one of the university's many student helpers or in one of many positions outside the university.
<b>Accommodation</b>	<p>University dormitory: Dormitories of the "Studentenwerk Paderborn" (affiliated with Paderborn University): <a href="http://www.studentenwerk-pb.de/en/housing/">http://www.studentenwerk-pb.de/en/housing/</a> Application form for a residence in a "Studentenwerk" dormitory: <a href="https://tl1host.eu/SWPB/#admission">https://tl1host.eu/SWPB/#admission</a></p> <p>Private dormitory: Dormitory of bib International College: <a href="https://www.bib.de/campus-paderborn/">https://www.bib.de/campus-paderborn/</a></p> <p>Web portals (in German): WG-Gesucht: <a href="http://www.wg-gesucht.de">http://www.wg-gesucht.de</a> Studenten WG: <a href="http://www.studenten-wg.de">http://www.studenten-wg.de</a> Immobilienscout24: <a href="http://www.immobilienscout24.de">http://www.immobilienscout24.de</a> Nuroa: <a href="http://www.nuroa.de/mieten/">http://www.nuroa.de/mieten/</a> Kalaydo: <a href="http://www.kalaydo.de/immobilien/">http://www.kalaydo.de/immobilien/</a></p>
<b>Career advisory service</b>	The career service of the university offers job-oriented workshops, trainings, and field trips to companies. Furthermore, there are also some programmes from the international office with the objective of enabling students to get work experience during their studies and to prepare them for the transition into the job market in Germany.
<b>Support for international students and doctoral candidates</b>	<ul style="list-style-type: none"><li>• Welcome event</li><li>• Tutors</li><li>• Specialist counselling</li><li>• Buddy programme</li></ul>



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**Sahil Agichani**  
BSc

I am pursuing the Master's programme at Paderborn University because the Computer Science programme is popular and has a great reputation. It is situated in a perfect place (quiet & calm). My favourite place on campus is next to the cafeteria ("Mensa").



## Study Abroad in Paderborn

In the Study Abroad in Paderborn video series, professors, academic staff, PhD candidates, and students explain everything you need to know about studying abroad in Germany and specifically in Paderborn.

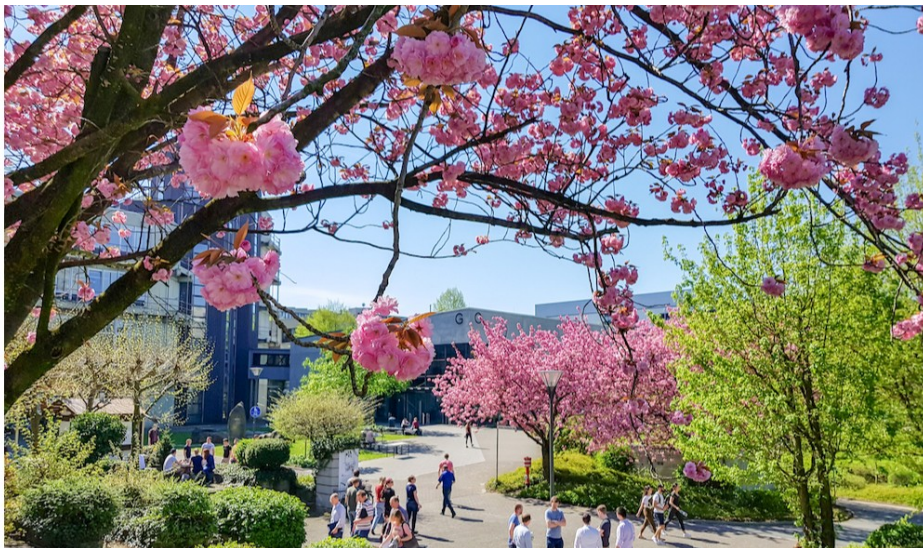
» more:

<https://www.youtube.com/watch?v=6EJr-qmZ2GA&list=PLgDIYPioG-BDCv2IXE7A8xhQAzVkdU0az>

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# Paderborn University

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Paderborn University, main campus

© Universität Paderborn, Johannes Pauly

Paderborn University is a campus university within walking distance of the city centre. A large number of student residences are located on campus. The campus provides a wide range of services and facilities, including an excellent "Mensa" (canteen), sports facilities, and a small theatre.

## University location

Despite its very modern service- and entertainment-oriented appeal, Paderborn also offers opportunities for the historically inclined, including a 700-year-old cathedral overlooking the city centre. Paderborn is known to be a very safe place. It also offers lots of attractions for students to enjoy themselves. The most famous among them is the annual "Libori" funfair, but you might also enjoy the quieter Christmas market in December.

## Contact

**Paderborn University**  
Computer Science

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✉ [study-service-cs@uni-paderborn.de](mailto:study-service-cs@uni-paderborn.de)

🌐 Course website: <https://cs.uni-paderborn.de/en/studies/degree-programs/computer-science>

● [https://twitter.com/CompScience\\_UPB](https://twitter.com/CompScience_UPB)

📺 <https://www.youtube.com/user/FakultaetEIM>

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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)

## Editor

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German Academic Exchange Service

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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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