



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



## Table of Contents

<b>Master's degree .....</b>	<b>2</b>
<b>Computer Science (MSc) • Philipps-Universität Marburg • Marburg.....</b>	<b>2</b>

# Master's degree



## Computer Science (MSc)

Philipps-Universität Marburg • Marburg

### Overview

Degree	Master of Science in Computer Science
Course location	Marburg
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	Some of the courses on the long list of electives are possibly taught in German.
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	All details can be found at: <a href="https://www.uni-marburg.de/en/studying/admissions/deadlines">https://www.uni-marburg.de/en/studying/admissions/deadlines</a>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The Master's degree programme in Computer Science of the University of Marburg has a focus on technical knowledge, skills and methods of computer science to work independently according to scientific principles at an advanced level. You will be trained to analyse and critically evaluate modern scientific knowledge, taking into account the requirements and changes in the increasingly digital professional world (business, industry, public service).</p> <p>You can set individual focal points by selecting from a large variety of electives in practical and theoretical computer science as well as a wide offer of tasks in several practically-oriented modules. Besides a software project with a duration of one year, in which you practice software engineering skills and the use of specific modern technologies, you will participate in at least one seminar, in which you practice working with relevant scientific literature. Optionally, you can also enrich your profile by including modules from another subject area with applications of computer science. In the individual Master's thesis, you will work on research-related problems from computer science.</p>

# Course Details

## Course organisation

Following the Bologna guidelines on European university education, the course is structured so that 30 credit points (ECTS) should be achieved every semester. The different modules in the Master's programme add up to 120 ECTS:

### Compulsory Elective Modules in Computer Science (51 to 66 ECTS points)

You will be able to deepen and broaden your knowledge and competences by choosing from our long list of electives in both the disciplines of practical and theoretical computer science. This will broaden your spectrum of computer science skills and will provide you with the foundation to critically investigate modern research questions and engage applications of state-of-the-art computer-science technology.

### Profile Area Modules (optional; 12 ECTS points if selected)

Optionally, you can study the basics of a different subject area, in which ways of thinking and methods of computer science can be profitably applied. In doing so, the ability to form analogies between the ways of thinking and contents from computer science and another subject will be acquired.

### Practical and Seminar Modules (24 to 27 ECTS points)

This study area serves to deepen your practice-oriented scientific skills. These include competencies essential for computer science specialists to carry out a research project in group work, usually involving the development and operation of an extensive software project. In one or two seminar modules, you will be able to sharpen your profile as well as practice to compare and evaluate research results. In a dedicated module, you will learn and practice techniques of scientific work in computer science in an individual project.

### Master's Thesis (30 ECTS points)

The final phase of the course is the Master's thesis. Students apply the skills acquired during the taught part of the programme. You will work on your own research project under the guidance of an experienced professor.

A Diploma supplement will be issued

Yes

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

There is a semester fee, which includes the mandatory student union membership (required by state law) and a free travel pass for public transport in most of the state of Hessen as well as access to subsidised accommodation and meals. In the summer semester of 2024, the semester fee amounted to approx. 390 EUR.

<https://www.uni-marburg.de/en/studying/life-at-umr/finance>

**Costs of living**

Living costs depend on individual lifestyles and on regional prices. The Marburg foreigners' registration office ("Ausländerbehörde") requires international students to prove that they have at least 934 EUR per month at their disposal in order to cover their living costs.  
<https://www.uni-marburg.de/en/studying/life-at-umr/finance>

**Funding opportunities within the university**

No

## Requirements / Registration

**Academic admission requirements**

For this consecutive programme a BSc in computer science or a comparable university degree with a minimum GPA is required. In any case, intense knowledge in both computer science and mathematics must be documented, including in particular in the area of theoretical computer science. At the time of application, students should have been awarded at least 144 ECTS points. Detailed information on admission requirements: <https://www.uni-marburg.de/en/studying/degree-programs/sciences/computer-science-msc>

**Language requirements**

A precondition for successful application is a confident command of the English language (European language classification scheme C1 or better). The teaching language is English but the exams can be taken in English as well as in German. Therefore, it is also possible to apply with English comprehension skills (European language classification scheme B1 or better) in combination with confident command of the German language (DSH 2 or better).

Detailed information on equivalences: <https://www.uni-marburg.de/en/studying/admissions/language-requirements>

Important: As proof for the English language skills at level C1 only language certificates according to the Common European Framework of Reference for Languages are accepted for this study programme. School reports, university certificates or certificates from other higher education institutions are not accepted.

**Application deadline**

All details can be found at:  
<https://www.uni-marburg.de/en/studying/admissions/deadlines>

**Submit application to**

Detailed information:  
<https://www.uni-marburg.de/en/studying/admissions/application-process/mastersapplication>

Applications must be submitted through uni-assist:  
<https://my.uni-assist.de/>

## Services

**Possibility of finding part-time employment**

Within certain legal limits, job opportunities are available for international students. Fluent German is required for most jobs. Employment for international students must be approved by the foreigners' registration office. There are hardly any legal restrictions on taking academic assistant jobs at the university.

Further information on job opportunities and university career services <https://www.uni-marburg.de/en/studying/life-at-umr/work-1>

## Accommodation

The market situation for accommodation is not easy in Marburg. However, the university assists international students in finding suitable and affordable accommodation. The student services office ("Studentenwerk Marburg") maintains student residence halls with a total of approx. 2,100 units. Apart from single rooms, there are two- to three-room flats for student families. Only students registered at Philipps-Universität Marburg are entitled to a place in a residence hall. The "Konrad Biesalski House", in which handicapped and non-handicapped students live together, offers round-the-clock assistance. A bus service and services such as physiotherapeutic exercises and massage baths are offered. Many students live in private accommodation or shared flats. The supply of flats in the centre of Marburg is limited, especially in the Old Town ("Oberstadt"). The situation on the outskirts of Marburg and in the immediate vicinity is better. There are good bus connections. Experience shows that demand for accommodation is highest at the beginning of each semester (April, October), so you should start looking for accommodation around the end of the previous semester (February, July) if possible.  
<https://www.uni-marburg.de/en/studying/life-at-umr/housing>

## Support for international students and doctoral candidates

- Welcome event
- Tutors

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

International student orientation (offered by the International Office)  
<https://www.uni-marburg.de/en/international/from-abroad/welcome-and-orientation>

Welcome event  
<https://www.uni-marburg.de/en/fb12/research-groups/psw/teaching/information-for-master-students>

Study advisers  
<https://www.uni-marburg.de/en/fb12/department/representatives/study-advice>

# Contact

## Philipps-Universität Marburg

Mathematics and Computer Science

Prof Dr Christoph Bockisch

Hans-Meerwein-Straße 6  
35043 Marburg

✉ [bockisch@informatik.uni-marburg.de](mailto:bockisch@informatik.uni-marburg.de)

🌐 Course website: <https://www.uni-marburg.de/en/fb12/studying/degree-programs/m-sc-computer-science>

📘 <https://www.facebook.com/PhilippsUniversitaet>

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

📺 <https://www.youtube.com/channel/UCCYYr5nvvA18hI-hpPhQtDA>

Last update 18.02.2025 22:54:43

# 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

DAAD - Deutscher Akademischer Austauschdienst e.V.  
German Academic Exchange Service  
Section K23 – Information on Studying in Germany  
Kennedyallee 50  
D-53175 Bonn  
[www.daad.de](http://www.daad.de)

## 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".

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