



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



## Table of Contents

<b>Master's degree .....</b>	<b>2</b>
<b>Informatics in the Natural Sciences • Bielefeld University • Bielefeld .....</b>	<b>2</b>

# Master's degree



## Informatics in the Natural Sciences

Bielefeld University • Bielefeld

### Overview

Degree	Master of Science (MSc)
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	This programme has an English-speaking branch, which guarantees that courses will be offered to students who do not speak German.
Full-time / part-time	<ul style="list-style-type: none"><li>full-time</li></ul>
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	Applicants with a foreign degree: <ul style="list-style-type: none"><li>15 July for the following winter semester</li></ul> Applicants with a German degree: <ul style="list-style-type: none"><li>1 September for the following winter semester</li></ul>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>This Master's degree programme combines informatics with one of the subjects of biology, chemistry, physics, or biotechnology, in order to connect current methods and results of these natural or life science disciplines with those of computer science. The focus of teaching and research is on theoretical and applied methods. Special attention is given to convey skills required to communicate with specialists in both fields.</p> <p>This programme has an English-speaking branch, which guarantees that courses will be offered to students who do not speak German.</p> <p>The programme is designed for four semesters and 120 credit points. Exams are taken during the course of studies according to an ECTS-compatible credit point system.</p>

---

## Course Details

---

### Course organisation

- First semester
  - Additional basics 10 ECTS
  - Advanced Informatics 10 ECTS
  - Advanced Natural Science 10 ECTS
- Second semester
  - Additional Basics 10 ECTS
  - Advanced Informatics 10 ECTS
  - Project I 10 ECTS
- Third semester
  - Individual addition 10 ECTS
  - Advanced Natural Science 10 ECTS
  - Project II 10 ECTS
- Fourth semester
  - Master's thesis 30 ECTS

All modules consist of compulsory courses, which can be chosen – students have the option to choose various courses from a list, but taking a selection of these courses is required.

### International elements

- Projects with partners in Germany and abroad
- International guest lecturers

### Course-specific, integrated German language courses

Yes

### Course-specific, integrated English language courses

Yes

---

## Costs / Funding

### Tuition fees per semester in EUR

None

### Semester contribution

Since Bielefeld University does not charge tuition fees, every student only has to pay a social fee. The [social fee](#) includes the contribution to the [social ticket](#) for free public transport in the city and area of Bielefeld and on regional trains and buses in North-Rhine Westphalia for the whole semester.

The current semester contribution is approximately 300 EUR.

### Costs of living

Costs for studying in Germany are relatively high due to the living expenses.

- Rent in a room in student halls of residence or a private student hall, in a room or flat comes to approx. 280 EUR per month.
- The expected costs for student health insurance and other medical fees are about 80 EUR per month.
- Depending on your lifestyle, you might spend about 150 EUR on food each month.
- Altogether, monthly costs for food, clothes, leisure activities, social fees, travel expenses, telephone bills, and the other mentioned expenses add up to approx. 850 EUR.

There are several ways of cutting expenses in Bielefeld. For example, it is possible to rent a room in a student residence for about 230 EUR, and a meal at the student canteen (Mensa) costs only about

2.60 EUR.

**Funding opportunities within the university** No

## Requirements / Registration

**Academic admission requirements** Bachelor's degree (or equivalent) in informatics, including at least 50 credit points in fundamentals of computer science/mathematics and 40 credit points in natural sciences

**Language requirements** Proficiency in English is usually verified by a language test: TOEFL (iBT) with a minimum of 87 points, or TELC English with a minimum grade of B2.

The Faculty of Technology will not incur any expenses for German courses for international students.

**Application deadline** Applicants with a foreign degree:

- 15 July for the following winter semester

Applicants with a German degree:

- 1 September for the following winter semester

**Submit application to** Apply via the [online portal](#).

For further information about the application to the Master's programme, please use the following link: [www.uni-bielefeld.de/bewerbung](http://www.uni-bielefeld.de/bewerbung).

## Services

**Possibility of finding part-time employment** Basically, with your residence permit (stamp in your passport), you will receive a work permit for 120 work days per year. This allows you to work 120 full days (eight hours per day) or 240 half days (up to four hours per day). This condition must be noted expressly in the passport by the authorities.

**Accommodation** Please try to secure accommodation in Bielefeld as early as possible. In Bielefeld, a broad range of accommodation options can be found at affordable prices. Students residences are run by the public "Studierendenwerk" or private organisations, and shared flats are very common.

Offers of accommodation can be found online by following the links below:

- [Studierendenwerk Bielefeld](#) (dormitories)
- [WG-gesucht.de](http://WG-gesucht.de) (private shared accommodation)

The International Office supports students who are searching for accommodation.

## Career advisory service

Career planning is a step-by-step development and clarification process that requires individual strategies. Based on a strengths- and resource-oriented approach, we support you in developing your own career prospects.

Depending on your needs, our Career Service at Bielefeld University will accompany you throughout the entire process or in individual steps.

<https://www.uni-bielefeld.de/themen/career-service>

## Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Accompanying programme
- Cultural and linguistic preparation
- Visa matters
- Help with finding accommodation
- Support with registration procedures
- Specialist counselling

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

At PunktUm, our German Learning Centre, we offer a comprehensive range of academic support programmes that are designed to meet the needs of international members of the Bielefeld University. These include the Academic Mentoring Programme for Master's students, the Peer Mentoring Programme for Bachelor's students, and semester-long workshops designed to help all students and researchers with academic writing. We also offer individual consultations on academic writing in German as a Foreign Language (DaF) or German as a Second Language (DaZ).

The International Office provides an orientation programme for all international members of Bielefeld University, including degree seekers (BA and MA), double degree students, Erasmus/cooperation students, doctoral students, scholars, interns, and refugees/preparing applicants. Example of activities include Café International, campus tour, introductions to digital services and administrative procedures.

---

# Contact

**Bielefeld University**  
Faculty of Technology

Prof Dr Alexander Schönhuth

Universitätsstraße 25  
33615 Bielefeld

Tel. +49 5211063362

✉ [studienberatung.techfak@uni-bielefeld.de](mailto:studienberatung.techfak@uni-bielefeld.de)

🌐 Course website: <https://ekvv.uni-bielefeld.de/sinfo/publ/master-as/naturwissenschaftlicheinformatik?lang=EN>

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

🐦 <https://twitter.com/unibielefeld/>

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

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

Last update 08.09.2024 11:19:01

# 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