



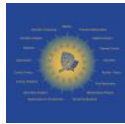
Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



## Table of Contents

<b>Master's degree .....</b>	<b>2</b>
<b>Mathematics International • Julius-Maximilians-Universität Würzburg • Würzburg.....</b>	<b>2</b>

# Master's degree



## Mathematics International

Julius-Maximilians-Universität Würzburg • Würzburg



## Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	Courses are held in English. Participants write their Master's theses in English.
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	15 May for the winter semester 15 November for the summer semester
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The research-oriented <a href="#">Master's programme in Mathematics</a> aims at students with special interest in mathematics as an exact science who want to acquire a broad and deep knowledge of the field.</p> <p>The two-year English-taught programme offers basic and advanced lecture courses, "Research in Groups" courses (RiGs), and seminars. The courses cover a variety of topics of current research interests in many areas of pure and applied mathematics (<a href="#">course catalogue</a>).</p> <p>The focus of the programme is to introduce students who are very early in their careers to research-oriented questions. The communication among students in seminars and RiGs is a central aspect of the programme. The institute offers excellent study conditions, very personal supervision in small groups, an internationally experienced team of professors, assistants and staff members, and a well-stocked library.</p> <p>Participants finish the programme with a Master's thesis.</p>

# Course Details

Course organisation	<p>Students compose a study plan according to their own interests.<a href="#">General and exemplary study plans</a> can be found on our website.</p> <p>The programme (120 ECTS) is divided into three parts (lecture courses, RiGs, and thesis), extending over four semesters.</p> <p>First three semesters (90 ECTS):</p> <ul style="list-style-type: none"><li>• lecture courses (at least 30 ECTS)</li><li>• "Research in Groups" courses and seminars (at least 20 ECTS)</li></ul> <p>Fourth semester:</p> <ul style="list-style-type: none"><li>• Master's thesis (30 ECTS)</li></ul> <p><a href="#">Course catalogue</a></p> <p><a href="#">Module catalogue (PDF)</a></p> <p><a href="#">Annual Master Focus</a></p>
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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	<p>There are generally no tuition fees at the University of Würzburg. However, you must pay the semester contribution each semester for enrolment or registration. The student contribution includes a semester ticket that allows you to use public transportation all throughout the beautiful city of Würzburg.</p> <p>Student contribution: approx. 146 EUR</p>
Costs of living	<p>The cost of living in Würzburg is low compared to other German cities. Of course, this strongly depends on your individual lifestyle, but you should expect monthly costs of about 940 EUR.</p> <ul style="list-style-type: none"><li>• Food: 250 EUR</li><li>• Rent: 350 EUR</li><li>• Health insurance: 110 EUR</li><li>• Other: 212 EUR</li><li>• Broadcasting fees (AZDBS/GEZ): 18 EUR</li></ul>
Funding opportunities	No

## Requirements / Registration

### Academic admission requirements

Applicants must hold a Bachelor's degree in mathematics.

Applicants are qualified if they can show proof of academic achievements that are equivalent to the qualification obtained in the Bachelor's degree programme in mathematics offered by the University of Würzburg and that meet the requirements of the respective Master's degree programme. In particular, this means applicants should have sufficiently profound knowledge in **pure mathematics**, i.e., at least in linear algebra, real and complex analysis, ordinary differential equations, and algebra.

In particular, a Bachelor's degree in any kind of engineering or an unspecific Bachelor of Science degree will usually not be accepted.

Moreover, applicants are qualified if they can show proof of an up-to-date international GRE **Mathematics** subject test with a score of 700 points or more.

### Language requirements

Applicants must provide proof of their English language skills, e.g. with a high school certificate comparable to the German "Abitur" or a TOEFL certificate. Our requirement for the TOEFL is 550 points (written test), 215 points (computer test), or 79 points (Internet-based test).

### Application deadline

15 May for the winter semester  
15 November for the summer semester

### Submit application to

<https://www.mathematik.uni-wuerzburg.de/en/study/studiengaenge-im-ueberblick/mim/admission/>

## Services

### Possibility of finding part-time employment

- **Students from countries within the EU and the EEA** are on equal terms in the labour market and are allowed to work during their course of study.
- **Students from other countries** are allowed to work 120 full days or 240 half days per year (which also includes voluntary internships). If you would like to work more, you will need permission from the employment agency ("Agentur für Arbeit") or the immigration office.
- Important: Be sure your studies will not suffer if you have a side job!

### Accommodation

The [Student Housing Service](#) ("Studentenwerk") is responsible for 10 dormitories in various locations in Würzburg.

Amenities:

- Single and double rooms or rooms in apartments in which two to four students share a kitchen and a bathroom.
- All rooms and apartments are furnished.
- Dishes, cooking items, bedding, and towels are not provided.
- You can find more information about the individual dormitories [here](#).

Length of stay:

- The rental contracts of the "Studentenwerk" are temporary contracts.

- The fixed-term rental contracts of the "Studentenwerk" can be terminated in writing with two months' notice for the following deadlines: 31 March or 30 September.

Application:

- Deadlines: **15 June for the winter semester and 15 January for the summer semester** (The student housing service must receive the security deposit of 300 EUR by this date.)
- You will receive further information about applying for housing in your letter of acceptance.

## — Julius-Maximilians-Universität Würzburg —



Students in front of the Enneper surface

The University of Würzburg, founded in 1402, is one of the oldest German universities with a long tradition in research and teaching excellence. So far, 14 Nobel laureates have worked here during different stages of their careers, including Wilhelm Conrad Röntgen, who discovered X-rays in Würzburg, and Harald zur Hausen. The latter received the Nobel Prize in Medicine in 2008 for discovering that viruses trigger cervical cancer.

More than 29,000 students, including 2,700 young people from abroad, are enrolled at ten faculties. There are 10,000 people who work at the university and its hospital, among them 2,400 academic staff members and 400 professors.

In order to provide optimum conditions for interdisciplinary research, the university started to implement research centres in the fields of medicine, science, and the humanities as well as a graduate school in the 1990s. A considerable number of these research centres, graduate schools, and research groups are funded by the German Research Foundation (DFG).

Academic rankings continue to confirm the top position of the University of Würzburg. With respect to life and natural sciences, the university is among the top 100 universities in the world and among the top 30 universities in Europe.

The university welcomes highly qualified students from all nations for graduate studies. As an important element in the career of young scientists, the University of Würzburg awards doctoral degrees in all study areas. It provides supervision by leading scientists, intensive tutoring, interdisciplinary courses, and advice.

The university hospital provides both excellent medical care and top-level research.

The university maintains numerous international partnerships with universities in Africa, America, Asia, Australia, and Europe. Exchange agreements allow our students to explore the world for some time during their studies. In return, exchange students from abroad can experience German culture and student life while spending some time in Würzburg. As they contribute to a multicultural atmosphere on campus and inside the classroom, international students are always very welcome to study at the University of Würzburg.

## University location

The university and the city of Würzburg have always been closely connected. In a population of around 135,000, students from our university and from two other higher education institutions, about 33,000 in total, ensure that Würzburg remains young and vibrant. The city is situated in a hilly wine-growing region reminiscent of the Mediterranean area. The Main River flows through the city, giving many spots a romantic flair.

A lot of student activity takes place alongside the Main River with its promenades, parks, and beer gardens: discover the music and culture of our neighbouring continent on the Main meadows during Europe's biggest festival for African music and culture, walk barefoot on the sand at the city beach, or enjoy cool concerts and theatre performances on a floating stage during the Würzburg Dock Festival. Another popular event is the Mozart Festival, at which "Serenade No. 13" is performed in a relaxed atmosphere in the Court Garden of the Residence – a World Heritage Site.

All distances within the city centre of Würzburg can be easily covered on foot or by bike. A variety of sports activities are on offer, such as cycling, running, inline skating, and more.

As regards culture, the university also benefits the city and the wider region; concerts at the Institute of Music Research and exhibitions in the university's museums enrich the cultural scene.

Würzburg is the cultural and political centre of the northern Bavarian region of Lower Franconia. Thanks to its central location and its excellent road and rail network, other towns and cities in Germany are easy to reach. There is a direct connection to and from the Frankfurt am Main airport and the Nuremberg airport, with IC and ICE trains running every hour.

To find out more about the city of Würzburg, please refer to: <http://www.wuerzburg.de/en/>

## Contact

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🌐 Course website: <https://www.mathematik.uni-wuerzburg.de/en/study/studiengaenge-im-ueberblick/mim/>

📘 <https://www.facebook.com/uniwue>

🐦 [https://twitter.com/uni\\_wue](https://twitter.com/uni_wue)

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

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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)

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Consortium for International Higher Education Marketing  
[www.gate-germany.de](http://www.gate-germany.de)

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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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