



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



## Table of Contents

<b>Master's degree .....</b>	<b>2</b>
<b>Informatics (Computer Science) (MSc) • Technical University of Munich • Garching b. München.....</b>	<b>2</b>

# Master's degree



## Informatics (Computer Science) (MSc)

Technical University of Munich • Garching b. München

### Overview

Degree	Master of Science in Informatics
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	The MSc Informatics can be completed entirely in English.
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	Winter semester: 31 May Summer semester: 30 November
Tuition fees per semester in EUR	Varied
Additional information on tuition fees	Please refer to the following website for more information on tuition fees at TUM: <a href="https://www.tum.de/en/studies/fees/tuition">https://www.tum.de/en/studies/fees/tuition</a>
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	Yes

#### Description/content

Integrated research and degree programmes designed for the future: The **TUM School of Computation, Information and Technology (CIT)** at the Technical University of Munich (TUM) unites the disciplines of **Mathematics, Informatics, and Electrical and Computer Engineering**. Our research and teaching activities range from theoretical knowledge to its application, focussing across disciplines on the major challenges of our time, such as the digital transformation. At the same time, our expertise remains firmly embedded in our core disciplines.

The Master's in Informatics is a research-oriented degree that builds on the fundamentals of computer science you have acquired during your undergraduate studies. The programme offers a large variety of courses, and allows students to focus their studies on their preferred areas. They can specialise by choosing up to three of these areas:

- Algorithms
- Computer Graphics and Vision
- Databases and Information Systems
- Digital Biology and Digital Medicine
- Engineering Software-Intensive Systems
- Formal Methods and their Applications

- Machine Learning and Analytics
- Computer Architecture
- Computer Networks and Distributed Systems
- Robotics
- Security and Privacy
- Scientific Computing and High Performance Computing

Additionally, the curriculum covers an interdisciplinary project (in Mathematics, Medicine, Business Administration, Mechanical Engineering or Electrical Engineering) and soft skills courses.

Students acquire an advanced research competence in Informatics. The programme encourages and enables students to work independently according to high academic standards. Furthermore, students develop an understanding of an exemplary application area, with the corresponding terminology and way of thinking, and thereby acquire interdisciplinary competence.

The programme qualifies graduates to participate in a PhD programme, for leading software development projects, and for executive positions in business and management. Graduates can work in research and application in all phases of Software Engineering, from specification, design and analysis to development, implementation, and proof of correctness.

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## Course Details

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### Course organisation

The Master's programme in Informatics is a two-year programme divided into four semesters. Students attend advanced lectures, a lab course and a seminar, and participate in software development and research projects.

In the third semester, students have the possibility to do a second lab course and gain further practical experience, or to do their own guided research project in close cooperation with a professor.

The Master's thesis is written in the fourth semester.

[» PDF Download](#)

### A Diploma supplement will be issued

Yes

### International elements

- International guest lecturers
- Language training provided
- Training in intercultural skills

### Integrated internships

- Not mandatory, but good possibilities during lecture-free periods
- Career service is offered
- Support for business creation is offered

### Course-specific, integrated German language courses

Yes

### Course-specific, integrated English language courses

Yes

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## Costs / Funding

### Tuition fees per semester in

6,000 EUR

EUR

**Additional information on tuition fees**

Please refer to the following website for more information on tuition fees at TUM: <https://www.tum.de/en/studies/fees/tuition>

**Semester contribution**

Please refer to this page for more details: <https://www.tum.de/en/studies/fees>

**Costs of living**

In order to cover personal expenses while studying in Munich, we recommend a budget of at least 900 EUR per month.

Please refer to the following page for more information: <https://www.studentenwerk-muenchen.de/en/international/international-students-in-munich/in-preparation/cost-of-living/>.

**Funding opportunities within the university**

Yes

**Description of the above-mentioned funding opportunities within the university**

Many international students can have their fees waived or receive scholarships to finance them. You can find [all information on waivers and scholarships](#) here.

## Requirements / Registration

**Academic admission requirements**

- Bachelor of Science in Informatics / Computer Science
- Applicants must provide a statement of reasons for their programme choice and a scientific essay
- Applicants may be invited for a written test on campus
- GRE or Gate Test mandatory for applicants with a degree from Bangladesh, China, India, Iran and Pakistan
- Preliminary documentation from uni-assist for applicants who obtained their Bachelor's in a country outside EU/EEA

For further information, see: <https://www.cit.tum.de/en/cit/studies/degree-programs/master-informatics/>

**Language requirements**

All applicants must submit a proof of sufficient English language skills. The accepted English proofs can be found here:

<https://www.tum.de/en/studies/application/application-info-portal/admission-requirements/language-certificates>

Proof of German language skills is not needed for the application.

**Application deadline**

Winter semester: 31 May  
Summer semester: 30 November

**Submit application to**

In order to apply at TUM, you need to open a TUMonline account:

<https://campus.tum.de/tumonline/webnav.ini>

Our application wizard will guide you step by step through the online application procedure.

Further information: <https://www.cit.tum.de/en/cit/studies/degree-programs/master-informatics/>

# Services

## Possibility of finding part-time employment

Various possibilities are available for teaching/student assistantships and research assistantships at the university.  
Munich is also a very good place to find internships and jobs at software companies and start-ups.

## Accommodation

It's not easy to find a place to live in Munich – but it's not impossible either! The Technische Universität München (TUM) does not own any student residences, but tries to support students and staff in their search for accommodation by providing personal advice, housing listings and useful information to ensure that you can find a place to call your own.

More information here: <https://www.tum.de/en/studies/during-your-studies/living-and-working/accommodations>

## Career advisory service

TUM has its own Career Service, which offers application checks, career counselling and a mentoring programme.  
<https://www.community.tum.de/en/career-service/>

## Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Accompanying programme
- Specialist counselling
- Visa matters

# Contact

## Technical University of Munich

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🌐 Course website: <https://www.cit.tum.de/en/cit/studies/degree-programs/master-informatics/>

📘 <https://de-de.facebook.com/TU.Muenchen>

🐦 [https://twitter.com/tu\\_muenchen](https://twitter.com/tu_muenchen)

🌐 <https://www.linkedin.com/school/technische-universitat-munchen/>

📷 <https://www.instagram.com/tu.muenchen/?hl=de>

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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

DAAD - Deutscher Akademischer Austauschdienst e.V.  
German Academic Exchange Service  
Section K23 – Information on Studying in Germany  
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[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".

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