DAAD

Deutscher Akademischer Austauschdienst
German Academic Exchange Service

INTERNATIONAL PROGRAMMES

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Master's degree

Informatics (Computer Science) (MSc)

Technical University of Munich • Garching b. München

Overview

Degree	Master of Science in Informatics
Teaching language	• English
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	None
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.

Course Details

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 - Integrated study abroad unit(s) - Language training provided - Training in intercultural skills
Integrated study abroad unit(s)	It is possible to spend one or two semesters at one of our partner universities and to receive two MSc degrees (from TUM and the respective partner university), or to do intensive courses at 21 European partner universities in the framework of the ATHENS programme (Advanced Technology Higher Education Network Socrates).
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

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	Approx. 160 EUR per semester The fee includes a basic semester ticket covering public transport in Munich.
Costs of living	In order to cover personal expenses while studying in Munich, we recommend a budget of approx. 1,000 EUR per month.
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	• Bachelor's 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 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

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🅕 https://www.facebook.com/TUM.Informatik/

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International Programmes in Germany - Database

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