



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Master's degree



## Informatics: Games Engineering (MSc)

Technical University of Munich • Garching b. München

### Overview

Degree	Master of Science in Informatics: Games Engineering
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	You can complete the programme entirely in English.
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	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	No

#### 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: Games Engineering is designed to equip you with advanced skills and knowledge in the general area of computer games technologies as well as in your chosen areas of specialisation. It is a research-oriented degree that builds on the fundamentals of computer science and games engineering you have acquired during your undergraduate studies.

You can select two lines of specialisation from the following lines:

- Computer Graphics and Animation
- Interaction and Communication
- Hardware-aware Programming
- Numerics and Simulation

- Autonomous Systems
- Game Theory and Algorithmic Economics
- Internet Models, Technologies, Applications
- Visual Computing
- Databases and Information Systems

A Master's degree in Informatics: Games Engineering from TUM will enable you to work in executive positions in industry. This degree also qualifies you for a career in research (PhD).

More information here: <https://www.cit.tum.de/en/cit/studies/degree-programs/master-informatics-games-engineering/>

## Course Details

<b>Course organisation</b>	<p>The Master's programme in Informatics: Games Engineering is a two-year programme divided into four semesters. It is a flexible programme that allows you to structure your studies towards your preferred sub-areas of interest in the particular area of games engineering.</p> <p>You will attend lectures, practical modules, and seminars as well as carry out research. The curriculum also includes supplementary elective modules covering business planning, management skills, communicative ability, and intercultural communication.</p> <p>The Master's thesis is written in the fourth semester.</p>
<b>A Diploma supplement will be issued</b>	Yes
<b>International elements</b>	<ul style="list-style-type: none"> <li>• International guest lecturers</li> <li>• Integrated study abroad unit(s)</li> <li>• Language training provided</li> <li>• Training in intercultural skills</li> </ul>
<b>Integrated study abroad unit(s)</b>	It is possible to spend one or two semesters at one of our partner universities or to take intensive courses at 21 European partner universities within the framework of the ATHENS programme (Advanced Technology Higher Education Network Socrates).
<b>Integrated internships</b>	<ul style="list-style-type: none"> <li>• Not mandatory, but good possibilities during lecture-free periods</li> <li>• career service offered</li> <li>• support for business creation offered</li> </ul>
<b>Course-specific, integrated German language courses</b>	Yes
<b>Course-specific, integrated English language courses</b>	No

## Costs / Funding

<b>Tuition fees per semester in EUR</b>	None
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<b>Semester contribution</b>	Approx. 160 EUR per semester
<b>Costs of living</b>	In order to cover personal expenses while studying in Munich, we recommend a budget of approx. 1,000 EUR per month.
<b>Funding opportunities within the university</b>	No

## Requirements / Registration

<b>Academic admission requirements</b>	<ul style="list-style-type: none"> <li>• Bachelor of Science in Informatics: Games Engineering or equivalent; basic knowledge in Games Engineering is required.</li> <li>• Applicants must provide a statement of reasons for their programme choice and a scientific essay</li> <li>• Applicants may be invited for a selection interview by telephone</li> <li>• GRE or Gate Test for applicants with a degree from Bangladesh, China, India, Iran, and Pakistan</li> <li>• Preliminary documentation from uni-assist for applicants who obtained their Bachelor's in a country outside EU/EEA</li> </ul> <p>Further information: <a href="https://www.cit.tum.de/en/cit/studies/degree-programs/master-informatics-games-engineering/">https://www.cit.tum.de/en/cit/studies/degree-programs/master-informatics-games-engineering/</a></p>
<b>Language requirements</b>	<p>All applicants must submit proof of sufficient English language skills. The accepted forms of proof can be found here:  <a href="https://www.tum.de/en/studies/application/application-info-portal/admission-requirements/language-certificates">https://www.tum.de/en/studies/application/application-info-portal/admission-requirements/language-certificates</a></p> <p>Proof of German knowledge is not needed for the application.</p>
<b>Application deadline</b>	<p>Winter semester: 31 May          Summer semester: 30 November</p>
<b>Submit application to</b>	<p>In order to apply at TUM, you need to open a TUMonline account:  <a href="https://campus.tum.de/tumonline/webnav.ini">https://campus.tum.de/tumonline/webnav.ini</a>.          Our application wizard will guide you step by step through the online application procedure.</p>

## Services

<b>Possibility of finding part-time employment</b>	There are various job opportunities as teaching assistants and research assistants at the university. Munich is also a very good place to find internships and jobs at software companies.
<b>Accommodation</b>	<p>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.</p> <p>More information here: <a href="https://www.tum.de/en/studies/during-your-studies/living-and-">https://www.tum.de/en/studies/during-your-studies/living-and-</a></p>

**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**

Department of Informatics

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

📘 <https://www.facebook.com/TUM.Informatik/>

Last update 05.05.2024 14:34:58

# 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

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## 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