



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Master's degree

tu technische universität  
dortmund

mmt Master of Science in  
Manufacturing Technology

## Master of Science in Manufacturing Technology (MMT)

TU Dortmund University • Dortmund



### Overview

Degree	Master of Science in Manufacturing Technology
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	The MMT programme is a fully English-taught course of study.
Full-time / part-time	<ul style="list-style-type: none"><li>full-time</li></ul>
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	Application period: 1 February to 15 March (for both EU and non-EU applicants)
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>In the first two semesters, students gain a deep, theoretical knowledge in the field of manufacturing technology. Furthermore, students choose elective modules according to their individual interests. The second year of study is dedicated to acquiring practical skills by completing the laboratory and scientific (industrial) project work modules. In this way, the understanding as well as the competence of applying the theoretical knowledge in practice is consolidated. In the same way, students shall learn to be able to compare the manufacturing processes currently applied in industry with state-of-the-art developments in specific fields. Furthermore, students become familiar with organising and implementing projects with several members. Due to the internationality of the Master's programme, students acquire intercultural competence. The Interdisciplinary Qualification module allows students to become familiar with the methodology of other disciplines like the humanities, the social or economic sciences. Competencies acquired in rhetoric and language courses can be applied in everyday working life and contribute to the students' personal development. With the final Master's thesis, students</p>

prove their ability to work on a complex problem independently. Graduates are able to analyse and optimise existing manufacturing processes, evaluate existing production systems, and design new techniques.

Further information can be found on the MMT website:<http://www.mmt.mb.tu-dortmund.de/>.

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## Course Details

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### Course organisation

During the first two semesters, students gain profound theoretical knowledge in the following compulsory modules:

- Machining Technology I + II
- Materials Science
- Bulk Metal Forming
- Sheet Metal Forming

The "Interdisciplinary Qualification" module is geared towards imparting soft skills as well as language skills in order to prepare students for their future professions.

In addition, students choose elective modules according to their individual interests. An overview of the elective courses offered currently can be found here: <https://mb.tu-dortmund.de/studium/studiengaenge/msc-manufacturing-technology/course-of-studies/>.

The third semester is characterised by project and laboratory work, which enables students to acquire the competency to apply theoretical knowledge in practical applications.

The Master's thesis is scheduled for the fourth semester.

<b>A Diploma supplement will be issued</b>	Yes
<b>International elements</b>	<ul style="list-style-type: none"><li>• Integrated/optional study abroad unit(s)</li></ul>
<b>Integrated/optional study abroad unit(s)</b>	Voluntary stays abroad are possible.
<b>Integrated internships</b>	Voluntary internships are possible.
<b>Special promotion / funding of the programme</b>	<ul style="list-style-type: none"><li>• Other (e.g. state level)</li></ul>
<b>Course-specific, integrated German language courses</b>	Yes
<b>Course-specific, integrated English language courses</b>	No






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## Costs / Funding

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Tuition fees per semester in EUR	None
Semester contribution	Approx. 300 EUR per semester
Costs of living	800-1000 EUR per month
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	Deutschlandstipendium Please find more information here: <a href="https://mb.tu-dortmund.de/en/faculty/scholarships-awards/">https://mb.tu-dortmund.de/en/faculty/scholarships-awards/</a>

## Requirements / Registration

Academic admission requirements	<ul style="list-style-type: none"> <li>An appropriate Bachelor of Science degree in the field of mechanical engineering or a comparable degree with a total of 180 credit points (ECTS). A Bachelor's degree course is considered appropriate when it includes modules of the following subjects: <ol style="list-style-type: none"> <li>mathematics, covering at least 15 credit points (ECTS)</li> <li>mechanics, covering at least 9 credit points (ECTS)</li> <li>materials engineering, production engineering, theory of design and/or metrology and feedback control, totalling at least 15 credit points (ECTS) to be divided individually</li> </ol> </li> <li><b>Credits from the fields 1-3 totalling at least 50 CP</b></li> <li>An average final Bachelor's degree grade which corresponds at least to the grade "satisfactory" (2.9)</li> <li>Language certificate (see below)</li> <li>Recommended: three letters of recommendation (academic or professional)</li> <li>Recommended: proof of one's ranking among the top 10% students of one's graduating class</li> <li>Recommended: GRE (graduate record examination)</li> </ul> <p>An admissions committee decides on exceptions, requirements, and the admission of candidates with comparable degrees to the Master's programme.</p>
Language requirements	<p>All applicants must provide proof of their English skills B2 (TOEFL [80], IELTS [6.5], or equivalent certificate). Please check here for detailed information: <a href="https://mb.tu-dortmund.de/studium/studiengaenge/msc-manufacturing-technology/application/requirements-documents/">https://mb.tu-dortmund.de/studium/studiengaenge/msc-manufacturing-technology/application/requirements-documents/</a>.</p> <p>Knowledge of German is not required.</p>
Application deadline	Application period: 1 February to 15 March (for both EU and non-EU applicants)
Submit application to	<p>Applications can be submitted online via uni-assist.</p> <p>Please click here for further information: <a href="https://mb.tu-dortmund.de/studium/studiengaenge/msc-manufacturing-technology/application/">https://mb.tu-dortmund.de/studium/studiengaenge/msc-manufacturing-technology/application/</a>.</p>

# Services

## Possibility of finding part-time employment

Student research assistant positions are available.

## Accommodation

Accommodation is available through student services (<https://www.stwdo.de/wohnen>) as well as through the International Office of TU Dortmund University (<https://international.tu-dortmund.de/en/international-students/everyday-life/accommodation-1/>), or on the private market. Rent for a single room in a student residence is approx. 180 to 300 EUR. Also check out the City of Dortmund website for information on finding housing for students (<https://www.dortmund.de/themen/studium-wissenschaft-und-forschung/studium/tipps-zur-wohnungssuche/>).

## Support for international students and doctoral candidates

- Welcome event
- Buddy programme

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

An International Coordination Team can be approached at all times. Before the start of their studies, first-year students are assigned a "buddy team" consisting of an already-established MMT student and a student from the German taught programmes. In this way, the first-year students can already establish contacts, ask questions and ask for help in a short and unconventional way.

As an integrated part of the syllabus, every semester, we offer an MMT German course at the beginner level A1 (winter semester). In case students already have German language skills, they may choose another German course with a higher level. However, those courses are not integrated into the schedule.



## We are TU Dortmund University

Communicative – innovative – unique

» more:  
<https://www.youtube.com/watch?v=L7IYgWsiW6Y>

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# TU Dortmund University

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View of the Math Tower

© TU Dortmund University

A university with a unique profile: Since its founding in 1968, TU Dortmund University has developed a special profile encompassing 17 departments ranging from science and engineering to social sciences and cultural studies. The university has more than 30,000 students and 6,500 employees, including 300 professors.

TU Dortmund University has a strong focus on research. The university's departments, e.g. mechanical engineering (with its emphasis on production and logistics), physics, biochemical and chemical engineering, statistics and computer science, and education research, are well known for their outstanding research achievements both nationally and internationally.

Students at TU Dortmund University can choose from classical subjects and innovative courses of study such as medical physics or degree programmes in spatial planning, statistics, and journalism. A particular focus is on teacher training. TU Dortmund University is one of only a few universities in Germany that offers professional teaching qualifications for all types of schools.



## University location

With around 6,500 employees, TU Dortmund University is one of Dortmund's largest employers and has helped drive the transformation of the city and the Ruhr region from Europe's largest coal mining and steel production area into a high-tech and service location as well as a cultural metropolis.

Dortmund is located in the heart of Europe. It is the largest city in the Ruhr region and is home to the Borussia Dortmund (BVB) soccer club. All of this contributes to the many advantages that will make studying in Dortmund an unforgettable experience. Apart from destinations for football fans, there are many other places of interest to discover in Dortmund and the Ruhr region.

Of particular importance for the development of the region is the University Alliance Ruhr (UA Ruhr), in which TU Dortmund University, the University of Duisburg-Essen, and Ruhr University Bochum joined forces more than a decade ago. Since the founding of the UA Ruhr, the Ruhr area has developed into one of the strongest science regions in Germany.

# Contact

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🌐 Course website: <https://mb.tu-dortmund.de/studium/studiengaenge/msc-manufacturing-technology/course-of-studies/>

📷 <https://www.instagram.com/mb.tudortmund/>

📺 <https://www.youtube.com/watch?v=n2GMTfDEj28>

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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

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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".

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