



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Master of Science in Cartography

Technical University of Munich • München

Overview

Degree	The final qualification awarded to the students is the joint degree "Master of Science (MSc) in Cartography".
In cooperation with	Vienna University of Technology (Austria) Technische Universität Dresden (Germany) University of Twente (The Netherlands)
Teaching language	<ul style="list-style-type: none">English
Languages	The programme takes place at all four cooperating universities and is completely taught in English.
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	The application deadline for Erasmus Mundus scholarships is 15 March. Self-funded students can submit their application until 31 May.
Tuition fees per semester in EUR	Yes
Additional information on tuition fees	The total fee for the whole programme varies depending on the chosen mobility (where the student wants to write the Master's thesis) and the country of origin. Please see http://cartographymaster.eu/financial-information/ for more details.
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	Yes
Description/content	<p>The programme focuses on a comprehensive education in cartography and geoinformatics, in particular on spatial information technologies, mathematic principles of map making, spatial data handling, theories and technologies of visual analytics, geovisualisation and communication of spatial information. The curriculum is structured in compulsory and elective modules. It is based on lectures, exercises, seminars, and project works.</p> <p>During the first semester at TUM, the foundations in cartography and geovisualisation are taught. In the second semester at TUW, students gain knowledge in multimedia cartography, especially, in web mapping, mobile internet and location-based services (LBS).</p> <p>Students specialise in mobile cartography and 3D cartography in the third semester at TUD. During the first and third semester, students have the possibility to choose online modules from the University of Twente within the elective module catalogue.</p>

Course Details

Course organisation	<p>The programme takes place at three or four of the cooperating universities (depending on the place where the student wants to write the Master's thesis) and is conceptualised with a fixed structure. Students stay together as a group during the first three semesters and have to spend their first semester at TUM in Germany. Then they have to study the second semester at TUW in Austria. After that they study their third semester at TUD in Germany. During the fourth semester students prepare their Master's thesis at one of the four cooperating universities.</p> <p>The full-time Master's programme awards a total of 120 ECTS and is to be completed in two years. Students obtain 30 ECTS in each semester/at each university, respectively 30 ECTS for their Master's thesis.</p>
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none">• International guest lecturers• Language training provided• Training in intercultural skills• Courses are led with foreign partners
Integrated internships	Between the second and third semesters, students are encouraged to do an internship. All four partners have contacts to associated partners and help with finding a job during this summer semester break.
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	Yes
Additional information on tuition fees	The total fee for the whole programme varies depending on the chosen mobility (where the student wants to write the Master's thesis) and the country of origin. Please see http://cartographymaster.eu/financial-information/ for more details.
Semester contribution	For more information, please see here: https://www.tum.de/en/studies/fees .
Costs of living	The costs for accommodation in the three countries of the consortium (Germany, Austria and the Netherlands) are relatively high. The price of food, clothing, cultural activities, etc. is equivalent to the EU average.
Funding opportunities	Yes

within the university

Description of the above-mentioned funding opportunities within the university

The Cartography Master's programme is co-funded by the EU Commission under Erasmus Mundus. The best students can get an Erasmus Mundus scholarship for the entire duration of their studies.

Requirements / Registration

Academic admission requirements

Applications are open to all candidates with an above-average Bachelor's degree or its equivalent in science or engineering, e.g., cartography, geography, geodesy or computer science.

Language requirements

Non-native speakers of English will be required to submit a TOEFL (iBT min. 88; CBT min. 234; PBT min. 605), an IELTS (min. 6.5) or a certificate of Cambridge Main Suite (CAE or CPE, Level A, B or C). If the previous university education has been conducted in English, TOEFL, IELTS or the certificate of Cambridge Main Suite can be replaced by an official certificate from the university confirming that the language of instruction was English.

Application deadline

The application deadline for Erasmus Mundus scholarships is 15 March. Self-funded students can submit their application until 31 May.

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.

For more information, check: <https://www.tum.de/en/studies/application-and-acceptance/online-application/>.

Services

Possibility of finding part-time employment

As the Cartography Master's programme is a full-time study programme, part-time employment might be very tough. During the three-month semester break between the second and third semester, an internship or summer job is possible.

Accommodation

It's not easy to find a place to live in Munich – but it's not impossible either! The Technical University of Munich (TUM) supports students and staff in their search for accommodation by providing personal advice, in-house listings and useful information to ensure that you can quickly find a place to call your own.

For more information, see: <https://www.tum.de/en/studies/during-your-studies/living-and-working/accommodations>.

Support for international students and doctoral candidates

- Welcome event
- Specialist counselling
- Visa matters

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🌐 Course website: <https://www.cartographymaster.eu>

📘 <https://de-de.facebook.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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Disclaimer

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