



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Master's degree



Master  
of Science  
in Geospatial  
Technologies

## Geospatial Technologies (MSc)

University of Münster • Münster



## Overview

Degree	Master of Science in Geospatial Technologies
In cooperation with	Universidade Nova de Lisboa, Portugal; Universitat Jaume I, Spain
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	English only
Full-time / part-time	<ul style="list-style-type: none"><li>full-time</li></ul>
Programme duration	3 semesters
Beginning	Winter semester
Additional information on beginning, duration and mode of study	Start: beginning of September Duration: two semesters of courses + one thesis semester
Application deadline	<ul style="list-style-type: none"><li>15 January for ERASMUS Mundus scholarship application (to be confirmed)</li><li>31 May for non-funded students outside EU</li><li>31 July for EU nationals, earlier application recommended</li></ul>
Tuition fees per semester in EUR	1,700 EUR
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	Yes
Description/content	The Master's programme in geospatial technologies is aimed at holders of Bachelor's degrees in application areas of geographic information such as environmental sciences, geosciences, ecology, regional planning, computer science.

Geospatial technologies is an innovative professional area that bridges the gap between informatics and geosciences. Graduates of the international Master's programme apply and develop methods for computer-supported solutions for spatially related problems (global, regional, local). Therefore, graduates receive the following specialised knowledge in:

- Geospatial technologies and geographic information
- Informatics and mathematics

You can find some impressions from students here: <https://mastergeotech.uji.es/about-us/testimonials/>.

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## Course Details

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### Course organisation

The programme consists of three semesters (90 ECTS credit points), including two semesters of courses (30 ECTS credit points each) and the Master's thesis in the third semester (30 ECTS credit points).

The Master's programme will be held with up to 32 students. Half of them attend their first semester at the University Jaume I (UJI), half at the New University of Lisbon (UNL). UJI and UNL offer courses with a different focus in order to address the different backgrounds and requirements of the incoming students. Both partners offer basic modules in geographic information (GI), although with different intensity. The programme at UJI stresses the computing aspects of GI, such as computer graphics and web services, whereas the programme at UNL is more oriented towards the processing and modelling aspects of geographic information, including topics such as remote sensing and geospatial data mining. As for the other modules, UJI is more informatics-oriented (informatics, mathematics and new technologies modules). UNL provides modules in mathematics, statistics and data modelling. UNL offers different paths within its modules through alternative courses so, for example, a student with a background in social sciences, such as geography, and little previous know-how in informatics should choose descriptive statistics and data analysis, whereas a more informatics-related student should choose mathematic statistics and data mining.

For the second semester, all students attend the courses at the University of Münster (WWU). The first module conveys fundamentals in GI science. The second module, Advanced Topics in GI Science, delivers knowledge on ongoing research and research projects, thus preparing the students for their own research in the Master's thesis. Optional courses on this module can be replaced by an annual summer school conducted at WWU, UJI, or UNL, or by work in ongoing research projects in one of the partners' research groups. The third module covers additional core competencies, which students will need for their Master's thesis as well as for their future professional careers: research methods in GI science and project management in GI projects.

In the third semester (Master's thesis), students can choose one of the three universities, wherein the applicants will be distributed equally to the three partners. If a student has not attended courses at one of the three partner universities, one of the supervisors or co-supervisors has to be from that university. With the Master's thesis, the candidate shows that they are capable of independently handling a defined scientific problem within a defined schedule, and in a way that is ready to publish. Typically, the Master's thesis will be integrated into an ongoing research project at one of the partner universities.

A joint degree is awarded by the University of Münster, Universidade Nova de Lisboa, Portugal, and Universitat Jaume I, Castellon, Spain.

» [PDF Download](#)

A Diploma supplement will be issued

Yes

### International elements

- Language training provided
- International guest lecturers
- Integrated/optional study abroad unit(s)

- Courses are led with foreign partners

<b>Description of other international elements</b>	<p>Joint study programme with a joint degree by University of Münster, New University of Lisbon, University Jaume I</p> <p>Students will study at two of the universities, and the third university will be involved in the Master's thesis.</p>
<b>Integrated/optional study abroad unit(s)</b>	There is a mandatory mobility path including at least two countries. The first semester is either in Spain or Portugal. The second semester is in Germany for all students. The third semester is at one of the three locations.
<b>Diverse intercultural background of students</b>	Students are from all over the world, e.g. in 2023, 29 students from 19 countries started with the study programme.
<b>Integrated internships</b>	Not applicable
<b>Special promotion / funding of the programme</b>	<ul style="list-style-type: none"> <li>• ERASMUS+</li> </ul>
<b>Course-specific, integrated German language courses</b>	No
<b>Course-specific, integrated English language courses</b>	No

## Costs / Funding

<b>Tuition fees per semester in EUR</b>	1,700 EUR
<b>Semester contribution</b>	<p>Students must pay a semester contribution fee of 317.48 EUR per semester. This includes a "semester ticket" covering public transportation in the greater Münster area and throughout Germany.</p> <p>You can find more information here:  <a href="https://www.uni-muenster.de/studieninteressierte/en/einschreibung/semesterbeitrag.shtml">https://www.uni-muenster.de/studieninteressierte/en/einschreibung/semesterbeitrag.shtml</a></p>
<b>Costs of living</b>	We recommend that students budget at least 900 EUR per month to cover personal expenses (accommodation, living expenses, health insurance).
<b>Funding opportunities within the university</b>	No

## Requirements / Registration

<b>Academic admission</b>	Bachelor's degree in an application area of geoinformatics
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## requirements

**Language requirements** English (TOEFL 500 paper-based or equivalent)

**Application deadline**

- 15 January for ERASMUS Mundus scholarship application (to be confirmed)
- 31 May for non-funded students outside EU
- 31 July for EU nationals, earlier application recommended

**Submit application to** <http://mastergeotech.info/>

## Services

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**Accommodation** As in all popular university cities in Germany, accommodation is in high demand and is not easy to find in Münster – but it's not impossible either!

Please contact the International Office (Bachelor's and Master's students) or the CERes (doctoral candidates) of the university for advice. Please also note that the University of Münster (like most German public universities) does not have its own student halls of residence.

**Career advisory service** Career development events organised by associated partners from industry

**Support for international students and doctoral candidates**

- Welcome event
- Cultural and linguistic preparation
- Visa matters

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## Our Partners



©Carlos Delgado

### Carlos Delgado from Colombia

Graduate, now working as a  
GIS analyst



The Master's programme in Geospatial Technologies is definitely a great gateway to cutting-edge knowledge in geographic information science, remote sensing, GIS, and geographic data analysis, giving students the tools to solve countless problems where the spatial context is relevant and essential.

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## University of Münster

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With about 43,000 students and 5,500 academics, the University of Münster is one of the largest universities in Germany. It enjoys an outstanding reputation in the region and far beyond for its excellent research opportunities, high-quality teaching and promotion of junior researchers. Fifteen faculties with 280 degree programmes and some 30 research centres comprise the institutional backbone of the university. Besides its academic opportunities, the University of Münster offers a wide and varied range of extracurricular activities. Pursue your interests by participating in student societies, university theatre, choirs, orchestras, bands, and sports courses. Additionally, make sure to visit the university's museums and gardens to further enrich your experience.

## University location

Münster is located in north-west Germany, close to the border with the Netherlands. The city is a lively student town, famous for its bicycle-friendly atmosphere and student pubs. Of Münster's total population of approx. 319,400 inhabitants, over 62,800 are students at the different universities. Münster is a thriving centre of science and academia. It is a great place to live, learn and teach.

## Contact


### University of Münster

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 Course website: <https://mastergeotech.info/>

 <https://www.facebook.com/MasterGeoTechnologies/>

 [https://www.linkedin.com/uas/login?session\\_redirect=https%3A%2F%2Fwww.linkedin.com%2Fgroups%2F12610104%2F](https://www.linkedin.com/uas/login?session_redirect=https%3A%2F%2Fwww.linkedin.com%2Fgroups%2F12610104%2F)

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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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