



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Remote Sensing and Geoinformatics

Karlsruhe Institute of Technology • Karlsruhe

Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none">English
Languages	Courses are held in English. Participation in German-language courses from other degree programmes is possible but not required.
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	15 June for the following winter semester 30 November for the following summer semester Applications will be screened as they arrive.
Tuition fees per semester in EUR	1,500 EUR
Additional information on tuition fees	Tuition fees only apply to non-EU applicants. No fees apply to EU students.
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	The Master's programme in Remote Sensing and Geoinformatics is research-based, and it makes use of the unique capabilities available in these fields at KIT. The first and second semesters of the two-year programme set a common basis in remote sensing and geoinformatics techniques and applications. At the same time, a selection of one out of six profiles allows for a specialisation according to each student's interests. Lab rotations in the third semester allow students detailed insights into the scientific work of self-selected research groups at KIT. Furthermore, these lab rotations help students gain hands-on research experience. A six-month MSc thesis is completed in the fourth semester. Successful students are awarded the degree Master of Science (MSc) in Remote Sensing and Geoinformatics. The programme language is English. Selected supplementary courses in other languages may be chosen from other KIT programmes to complement the desired profiles of the students.

Course Details

Course organisation

The goal of this MSc programme is to convey the ability to independently apply scientific knowledge and methods to evaluate and solve complex scientific and social problems. To this end, a mixture of basic skills and advanced methods and applications make up the programme. The total number of credit points (CP) is 120. They are distributed over the different courses as follows:

- Remote Sensing 21 CP
- Mathematics and Beyond 17 CP
- Profile Courses 20 CP
- Supplementary Modules 8 CP
- Lab Rotation 20 CP
- Key Competences 4 CP
- Master's Thesis 30 CP

Students can choose from six profiles of combinations of two of the following topics areas:

- Computer Vision
- Remote Sensing of the Atmosphere
- Environmental Geodesy
- Geoinformatics

A Diploma supplement will be issued

Yes

International elements

- Language training provided

Course-specific, integrated German language courses

Yes

Course-specific, integrated English language coursesYes

Costs / Funding

Tuition fees per semester in EUR

1,500 EUR

Additional information on tuition fees

Tuition fees only apply to non-EU applicants. No fees apply to EU students.

Semester contribution

Approx. 170 EUR per semester

Costs of living

Approx. 800 to 1,000 EUR per month

Funding opportunities within the universityNo

Requirements / Registration

Academic admission requirements

Admission requirements to the Master's degree programme in Remote Sensing and Geoinformatics are:

- a geo-related completed Bachelor's degree or at least equivalent degree from a programme with a duration of at least three years, based on a minimum of 180 ECTS credit points in the fields of physical-natural sciences, engineering-information technology and especially geodesy or geoinformatics-affine or geoscientific fields
- minimum requirements in mathematics, statistics, physics and/or mechanics of 25 credit points completed in the Bachelor's programme
- minimum requirements in (geo) computer sciences, image processing, remote sensing, photogrammetry, geosciences, geodesy and/or cartography of at least 30 credit points completed in the Bachelor's programme
- motivation letter

Language requirements

One of these certificates:

TOEFL iBT with a score of at least 92
IELTS with a minimum score of 6.5 and no section below 5.5, or an equivalent certificate CPE or CAE or Unicert II

These criteria do not apply to applicants who have a secondary school leaving certificate or university degree from a school or university in the USA, Canada, Great Britain, Ireland, Australia or New Zealand. These criteria also do not apply to applicants who hold a university degree from a university within the EU/EEA or Switzerland where English was the sole language of instruction and examination.

Application deadline

15 June for the following winter semester
30 November for the following summer semester

Applications will be screened as they arrive.

Submit application to

Application online only: <https://www.intl.kit.edu/istudies/12643.php>

Services

Possibility of finding part-time employment

It is possible to find part-time employment, e.g. as a scientific assistant at KIT.

Accommodation

Accommodation is available in student residences, organised by the "Studierendenwerk" in Karlsruhe: https://www.sw-ka.de/en/wohnen/wohnheime_ka/.

Additionally, students can find accommodation on the free market in individual flats or flat shares. The KIT international office has more information: <https://www.kit.edu/study/living-and-learning-in-karlsruhe.php>.

Career advisory service

KIT has a professional career service: <https://www.irm.kit.edu/careerservice.php>.

Support for international students and doctoral candidates

- Welcome event
- Buddy programme

General services and support

The International Students' Office offers advice and support to all international students.

for international students
and doctoral candidates

The department has its own international officer.

Supervisor-student ratio

Approx. 1:5

Contact

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🌐 Course website: <https://www.sle.kit.edu/vorstudium/master-remote-sensing-geoinformatics.php>

Last update 09.11.2024 00:20:15

International Programmes in Germany - Database

www.daad.de/international-programmes

www.daad.de/sommerkurse

Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.

German Academic Exchange Service

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www.daad.de

GATE-Germany

Consortium for International Higher Education Marketing

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