



Deutscher Akademischer Austauschdienst
German Academic Exchange Service

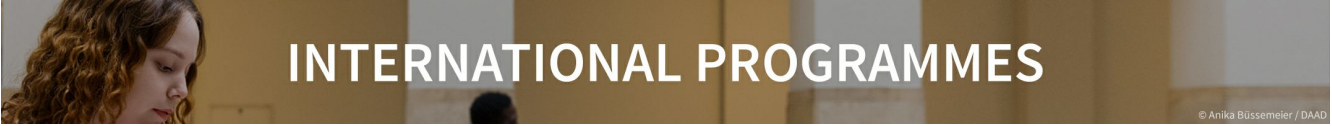


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Master's degree

hcu



MSc Hydrography

HafenCity University Hamburg • Hamburg



Overview

Degree	Master of Science - MSc
Teaching language	<ul style="list-style-type: none">English
Languages	<p>All classes are held in English.</p> <p>In order to be prepared for everyday life and work in Germany, students may attend German language courses at different levels at the HafenCity University Hamburg.</p>
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	<p>Applicants with a non-German university degree have to apply via uni-assist and the ahoi application portal of the HafenCity University.</p> <p>First step: You can submit your application at uni-assist starting from 1 March each year for the following winter semester. Uni-assist needs up to six weeks for checking the certificates. Therefore, we recommend that applicants submit the documents at uni-assist early enough to keep the application deadline of the HCU in our ahoi portal, which is 15 July for the following winter semester.</p> <p>Second step: In addition, all applicants have to apply directly at HCU via the ahoi online application portal (1 June - 15 July): https://www.hcu-hamburg.de/en/sv/for-prospective-students</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

Description/content

The HafenCity University (HCU) in Hamburg offers one of the few specialisations in Hydrography in the world and the only one in Germany accredited according to the highest FIG/IHO/ICA level (Category A).

Hydrography is one of the three specialisations (together with Geodesy and Geoinformatics) within the MSc Programme Geodesy and Geoinformatics that can be chosen at the HCU.

The focus of the Master's courses of hydrography is on collecting, analysing, modelling, and visualising data of oceans, coasts, and inland waters for the safety of waterways, planning, engineering, georesource management, and research.

One of the highest priorities of hydrography is securing modern marine navigation and the preparation of basic information for all structural engineering measures in the maritime field. Modern technology is employed here to survey the waters. The survey data are administered, analysed, and visualised in digital hydrographic information systems. Modern methods of nautical charting also contribute directly to the protection of marine ecosystems through a reduction in ship groundings and maritime accidents. Furthermore, a hydrographic database provides important components for marine pollution detection, coastal zone management as well as sensitive ecosystem identification and monitoring.

The two-year Master's specialisation combines scientific and technological aspects and covers areas including advanced geodesy, navigation, geoinformation, marine sciences, oceanography, maritime environment, data processing, and software technology. The curriculum includes several supervised field trainings.

Course Details

Course organisation

The two-year study programme of the specialisation Hydrography is organised in compulsory modules, some of which are also included in the specialisations Geodesy and Geoinformatics. Two eligible courses of the Q-Studies are also part of the curriculum. In these courses, educational knowledge from art as well as the social and natural sciences is taught in a transdisciplinary way. Practice and field exercises are integrated in the programme.

For further details please visit our website:

<https://www.hcu-hamburg.de/bachelor/geodaesie-und-geoinformatik/organisation/hydrographie-1>

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A Diploma supplement will be issued

Yes

Course-specific, integrated German language courses

Yes

Course-specific, integrated English language courses

Yes

Costs / Funding

Tuition fees per semester in EUR

None

Semester contribution

340 EUR

Costs of living

We recommend that single students budget at least 800 EUR per month to meet personal expenses (accommodation, living, health insurance, books).

Funding opportunities within the university Yes

Description of the above-mentioned funding opportunities within the university <https://www.hcu-hamburg.de/en/international/financial-support>

Requirements / Registration

Academic admission requirements Bachelor's or Master's degree in hydrography, surveying, geodesy and geoinformatics, or related fields
Non-German university degrees have to be approved by uni-assist. Information on requesting the preliminary documentation can be consulted online at <http://www.uni-assist.de>.

Language requirements All applicants whose first language is not English are required to submit official evidence of sufficient English knowledge. This may be proven by one of the following:

- Test of English as a Foreign Language (TOEFL) as an Internet-based test (TOEFL iBT) with at least 71 points or as an Institutional Testing Programme (TOEFL ITP) with at least 490 points
- International English Language Testing System - Academic Test (IELTS) with at least Band 5.0
- TELC - at least level B1
- Proof of a professional or subject-relevant stay of at least four months in an anglophone country
- Proof of minimum 20 CP course achievement in an anglophone study programme
- The advanced technical college certificate or the final grade certificate of year 12 or 13 of Germany secondary school in each case with the grade satisfactory (minimum 3.0 or 8 points according to the German grade system in secondary school)
- Attendance of a minimum of one year at a general-education school in an anglophone country

Application deadline Applicants with a non-German university degree have to apply via uni-assist and the ahoi application portal of the HafenCity University.

First step:

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Second step:

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Submit application to First step:
All applicants with a non-German degree have to apply through www.uni-assist.de.

Second step:
In addition, all applicants have to apply directly at HCU via the HCU online application system (1 June - 15 July)

Further information: <https://www.hcu-hamburg.de/en/sv/for-prospective-students>

Services

Possibility of finding part-time employment

Due to the intense nature of the programme, working while studying is sometimes difficult but still possible. Nevertheless, nearly all of our students have some sort of a part-time job in one of the study periods. The university itself offers students the opportunity to work as assistants for lectures, research or projects under the supervision of a professor. Students can also obtain off-campus part-time jobs in the public sector or private industry in the field of hydrography. Students from the European Union and the EEA stand practically on equal terms with German students and have free access to the German job market. However, for students who do not come from the EU or EEA countries, work is restricted; they are only allowed to work up to a specific number or hours. German employment regulations have to be considered before taking on a job.

Accommodation

Most of our international students live in Haus Bauhütte (see www.studentenwohnheim-hh.de/wohnen/einzelzimmer for further information) or in rooms provided by Studierendenwerk Hamburg (see www.studierendenwerk-hamburg.de/en/accommodation-for-students-and-trainees for further information).

Important: It is not at all easy to find an adequate and affordable accommodation in Hamburg in time for the beginning of the semester. Therefore, we highly recommend to begin the search even before receiving your letter of acceptance and arriving in Hamburg.

Support for international students and doctoral candidates

- Welcome event
- Tutors

HafenCity University Hamburg



HCU Hamburg

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The HCU Hamburg - University of the Built Environment and Metropolitan Development - was founded by the Free and Hanseatic City of Hamburg in January 2006. With its approx. 2,300 students, HCU is a small university with a focus on addressing current and future issues facing our towns and cities. Our professional excellence is based on the four disciplines that cover the spectrum from house to city: architecture, civil engineering, geodesy and geoinformatics, and urban planning.

Our reality is changing more rapidly than ever. New solutions for metropolitan problems thus demand disciplinary excellence as well as openness to neighbouring disciplines such as social sciences, humanities, and metropolitan culture. Our goal at HCU is to foster lifelong learning and the continual search for new solutions. The "studium fundamentale" and the study projects at HCU encourage students to

diverge from the usual ways of thinking, develop their abilities to reflect, and use their powers of judgement in the complex and changing challenges of the future.



University location

The Free and Hanseatic City of Hamburg, one of the 16 states of the Federal Republic of Germany, with its 1.8 million inhabitants, is the second largest city in Germany. Economically and culturally, Hamburg is also the centre of all Northern Germany. Approximately 3.5 million people live in the metropolitan region of Hamburg. For them, Hamburg is a shopping and cultural metropolis. With 755 square kilometres, the city area is seven times larger than Paris and two and a half times larger than London. Up to 14% of the city area is made up of green spaces and recreational areas. Hamburg boasts 31 theatres, six music halls, 10 cabarets and 50 state and private museums. They range from the Kunsthalle Art Museum and the State Opera to music clubs on the Reeperbahn. The Reeperbahn, formerly known as the "Sin Mile", has numerous bars, cafés, and discos as well as many other interesting sites that can not be found anywhere else. The "Kiez", as the natives call it, even gave the Beatles their start in the early 1960s.

For more info, please see: <http://english.hamburg.de/>.

Contact

HafenCity University Hamburg

Geodesy and Geoinformatics

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🌐 Course website: <https://www.hcu-hamburg.de/en/master/geo>

📘 <https://www.facebook.com/HCUHamburg/>

🐦 <https://twitter.com/hcuhamburg>

🌐 <https://www.linkedin.com/school/hcuhamburg/>

📷 <https://www.instagram.com/hcuhamburg/>

📺 <https://www.youtube.com/channel/UCUBz7g9nM2YEoCuwDDAYp7w>

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International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

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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".

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