



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Master's degree

## Overview

Degree	Master of Science
Course location	Hamburg
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	<p>The language of instruction is English. Individual modules in the elective programme might also be offered in German.</p> <p>German language courses are offered before and during the programme.</p>
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	<p><b>International applicants from outside EU:</b> If you have a non-EU nationality and do not currently have a right of residence in an EU country, your application period is from 1 December to 1 March. We conduct an online application process. Detailed information on the application and admission procedures can be found <a href="#">here</a>.</p> <p><b>Applicants within EU (incl. Germany):</b> If you have an EU nationality or you have a resident permit for an EU country, your application period is from 1 June to 15 July. We conduct an online application process. Detailed information on the application and admission procedures can be found <a href="#">here</a>.</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The curriculum of the Master's programme in data science is structured as follows:</p> <ul style="list-style-type: none"><li>Core qualification: modules teaching the foundations of data science</li><li>Specialisations: Three different specialisation areas (mathematics, computer science, and applications) allow students to focus on different aspects of data science. It is possible to focus on a certain specialisation, but at least one module from each area needs to be taken.</li><li>General qualification: modules on non-technical topics, business &amp; management, research methods, and a seminar</li></ul>

Project work and Master's thesis can be done at different institutes of the TUHH, allowing each

student to work on a research-oriented project.

Teaching the methodology and logic of engineering – "learning to think" – is a key aspect of studies at TUHH. Only in this way can one acquire the knowledge to keep pace with rapid technological change. This sound theoretical foundation is rounded off by a well-balanced mixture of practical application in internships, projects and thesis work. It should be noted that students at TUHH are trained to think and decide for themselves, to learn and work independently as well as in international teams representing many different academic, national and cultural backgrounds. TUHH promotes interdisciplinary research, teaching and learning. Students will be integrated into research and development projects at an early stage. This facilitates a smooth transition to working life.

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## Course Details

<b>A Diploma supplement will be issued</b>	Yes
<b>International elements</b>	<ul style="list-style-type: none"><li>• International guest lecturers</li><li>• Language training provided</li></ul>
<b>Description of other international elements</b>	One semester abroad is strongly recommended to German students and optional for students of foreign nationalities.
<b>Course-specific, integrated German language courses</b>	No
<b>Course-specific, integrated English language courses</b>	No

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## Costs / Funding

<b>Tuition fees per semester in EUR</b>	None
<b>Semester contribution</b>	Approx. 350 EUR
<b>Costs of living</b>	Around 950 EUR per month
<b>Funding opportunities within the university</b>	Yes
<b>Description of the above-mentioned funding opportunities within the university</b>	To a limited extent, partial funding in the form of performance-related scholarships, scholarships linked to support work, and scholarships for the final phase of the programme is available for international students at TUHH. For more information, please refer to <a href="https://www.tuhh.de/tuhh/en/education/students/organisational-details-about-your-studies/financing-your-studies">https://www.tuhh.de/tuhh/en/education/students/organisational-details-about-your-studies/financing-your-studies</a> .

# Requirements / Registration

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## Academic admission requirements

Applicants must hold a Bachelor's or equivalent degree in a data science programme or an equivalent programme with sufficiently strong background in computer science and mathematics.

## Language requirements

<https://www.tuhh.de/tuhh/en/studying/before-studying/degree-courses/international-study-programs/how-and-when-to-apply.html>

## Application deadline

### International applicants from outside EU:

If you have a non-EU nationality and do not currently have a right of residence in an EU country, your application period is from 1 December to 1 March. We conduct an online application process. Detailed information on the application and admission procedures can be found [here](#).

### Applicants within EU (incl. Germany):

If you have an EU nationality or you have a resident permit for an EU country, your application period is from 1 June to 15 July. We conduct an online application process. Detailed information on the application and admission procedures can be found [here](#).

## Submit application to

Technische Universität Hamburg  
STUDIS Studierendenservice (A33)  
Am Schwarzenberg-Campus 3  
21073 Hamburg  
Germany

# Services

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## Possibility of finding part-time employment

In principle, there are opportunities to work part-time as a teaching or research assistant at TUHH. However, such jobs cannot be arranged in advance and from a distance. Since the course schedule is very tight and employment regulations for international students are quite restrictive, students cannot depend on this source of income only.

## Accommodation

The TUHH accommodation office provides advice and assistance regarding accommodation.

## Support for international students and doctoral candidates

- Welcome event
- Tutors
- Specialist counselling
- Cultural and linguistic preparation

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# Hamburg University of Technology

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The Hamburg University of Technology (TUHH) was founded in 1978 and specialises in training engineers. There are 7,500 students registered at the university; almost one in every five students is of foreign nationality.



## University location

Germany's second-largest city, Hamburg, is an exciting place to live. It offers its residents close proximity to water and green spaces in combination with the benefits of living in the middle of a vibrant metropolis.


Hamburg is one of the most dynamic commercial centres in Europe. Modern services in the logistics, technological, and media sectors have taken their place alongside modern industrial production and traditional trade in shaping Hamburg's economy. As a global hub for overseas transport in Central and Eastern Europe as well as the entire Baltic Sea region, Hamburg benefits from its central position at the heart of Europe's logistical commodity flows. Hamburg is well known as an important place for maritime systems and the shipbuilding industry. The city is also one of the most significant centres for the civil aviation industry worldwide. In Hamburg, environmental awareness has a long history, which will continue on into the future. Today, the Hanseatic city is known as one of the leading centres of research on climate change, the global challenge of our time. The presence of several leading companies makes Hamburg a centre of renewable energy technologies, such as wind power systems.

## Contact

**Hamburg University of Technology**  
Zentrale Studienberatung (A32)

Am Schwarzenberg-Campus 3 (E)  
21073 Hamburg

Tel. +49 40428782232


 [studienberatung@tuhh.de](mailto:studienberatung@tuhh.de)

 Course website: <https://www.tuhh.de/tuhh/en/studying/before-studying/degree-courses/international-study-programs/data-science>

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

 <https://de.linkedin.com/school/technische-universit%C3%A4t-hamburg/>

 <https://www.instagram.com/tuhamburg/>

 <https://www.youtube.com/channel/UCo2ZK7mteODffSDzS4zEFjA>

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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

DAAD - Deutscher Akademischer Austauschdienst e.V.  
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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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