



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Biomedical Engineering (MSc)

Hamburg University of Applied Sciences • Hamburg

Overview

Degree	Master of Science Biomedical Engineering
Teaching language	<ul style="list-style-type: none">English
Languages	All modules in the Master's programme are taught in English.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	3 semesters
Beginning	Winter and summer semester
Additional information on beginning, duration and mode of study	This course is taught in person only. There is not an option to study online.
Application deadline	<p>Application periods:</p> <p>1 June to 15 July (programme start: October) 1 December to 15 January (programme start: April)</p> <p>Please have your school and Bachelor's certificates checked first by uni-assist (www.uni-assist.de) to get a VPD ("Vorprüfungsdokumentation") BEFORE applying to HAW Hamburg.</p> <p>With your VPD, please apply using the HAW Hamburg online application portal.</p> <p>The HAW Hamburg online application portal is open during the application period only.</p> <p>You do not need to send your documents with the postal mail to complete your application.</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 following modules are offered as part of the Master's programme in Biomedical Engineering:</p> <ol style="list-style-type: none">1. Mathematics

2. Data Acquisition
3. Advanced Biosignal Processing
4. Medical Image Processing
5. Application of Imaging Modalities
6. Advanced Control Systems
7. Modelling Medical Systems
8. Medical Real Time Systems
9. Simulation and Virtual Reality in Medicine
10. Biomedical Project
11. HTA / Regulatory Affairs
12. Master's thesis

This course is taught in person only. There isn't an option to study online.

Course Details

Course organisation	<p>The programme is designed so students can start both in the winter or in the summer semester.</p> <p>Modules 1, 2, and 7 are offered both in the summer and winter semesters. Modules 3, 4, 5, 6, 8, 9 and 10 are offered either in the summer semester or in the winter semester on a yearly basis.</p> <p>The third semester is scheduled for the Master's thesis.</p> <p>This course is taught in person only. There isn't an option to study online.</p> <p>To find more detailed information about the modules and course content, please click on the PDF link below.</p> <p>» PDF Download</p>
A Diploma supplement will be issued	Yes
Integrated internships	The Master's programme does not include an integrated internship, but the Master's thesis can be completed in industry.
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	Each semester, students have to pay a semester contribution (345 EUR as of September 2024). This fee includes a semester ticket for unlimited use of Hamburg's public transport system. For more information about studying and living in Hamburg, see: https://www.haw-hamburg.de/en/international/international-students/ .

Costs of living Hamburg is a relatively expensive city. Depending on your lifestyle, you should expect living costs of 700 to 900 EUR for rent, food, and other expenses.

Funding opportunities within the university Yes

Description of the above-mentioned funding opportunities within the university Students can apply for scholarships for academic excellence. They can also apply for an examination scholarship when they are in their final semester as a financial support while completing their Master's thesis. More information can be found here: <https://www.haw-hamburg.de/en/international/international-students/>.

Requirements / Registration

Academic admission requirements

- Bachelor's degree (or equivalent) in the same or similar field
- Graduate Record Examination (GRE) (for applicants from non-EU countries)
- Proof of English language ability if English is not your first language (see language requirements)
- in some cases: A2 German certificate from Goethe Institute (see language requirements)

Uni-assist (VPD) (www.uni-assist.de): Students who completed their school education outside Germany must have their high school and Bachelor's certificates checked by uni-assist and receive a VPD BEFORE applying to the HAW Hamburg. The VPD from uni-assist must be uploaded as part of the application process at HAW Hamburg. Please be advised that the uni-assist VPD process can take six to eight weeks, so please apply early.

For more information about admission requirements: <https://bit.ly/2Y7EwpE>

Language requirements All applicants whose first language is not English must provide one of the following language certificates:
TOEFL min. score: 87 (Internet-based)
IELTS min. score: band 5.5
CAE (Cambridge Certificate in Advanced English) min. score: C
CPE (Cambridge Certificate in Proficiency in English) min. score: C
FCE (Cambridge First Certificate) min. score: C
Lectures are in English.

German:
Students who do not have a Bachelor's degree in Biomedical Engineering of a minimum of 210 ECTS will have to take additional modules in Biomedical Engineering in order to have sufficient knowledge to successfully complete the Master's programme. These modules are taught in German, so applicants must include proof of German (minimum of A2 German Goethe Certificate with their application). However, we recommend that applicants have B2 German by the time they get to Hamburg in order to be able to successfully follow lectures in German.

In general, we recommend that all applicants have A2 German when they get to Hamburg, as this helps a lot with integration into life in Germany.

Application deadline Application periods:

1 June to 15 July (programme start: October)
1 December to 15 January (programme start: April)

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With your VPD, please apply using the [HAW Hamburg online application portal](#).

The HAW Hamburg online application portal is open during the application period only.

You do not need to send your documents with the postal mail to complete your application.

Submit application to

Apply online here: <https://bit.ly/applyHAW>.

Services

Possibility of finding part-time employment

If you are coming to Germany on a visa, you will have to provide proof of your finances for the first year: 853 EUR/month – 10,236 EUR/year.

EU students can work 20 hours/week.

Students from non-EU countries are only permitted to work 120 full days (240 half days) in one calendar year, and part-time job opportunities are limited, especially for students who do not speak German. It is unlikely that we will be able to offer you a job on campus.

More information can be found here, under "Visa & Paperwork":

<https://www.haw-hamburg.de/en/international/international-students/>

Accommodation

"Studierendenwerk Hamburg" offers affordable accommodation for students under the age of 30. Generally, students have their own room in a shared apartment with a communal bathroom and kitchen. The monthly rent for a room in a student hall of residence is usually between 350 and 450 EUR (including amenities). New students can apply three months before the start of their degree programme.

Please be advised that it is unfortunately not easy to find accommodation in Hamburg; finding somewhere to live can take a while. The student halls of residences offered by the "Studierendenwerk Hamburg" often have waiting lists.

Further information on accommodation can be found here: <https://www.haw-hamburg.de/en/study/campus-life/accommodation/>.

Career advisory service

The HAW Hamburg has a Career Service Office that offers advice on working in Germany, finding internships and applying successfully for jobs in Germany.

Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Tutors



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Amy Leson
MSc Biomedical Engineering

The degree programme is project-based with a focus on programming and electronic engineering. It was mostly team-based learning, which involved learning how to work with other students. We also got to work with professors on research projects. A project I worked on with a professor recently had two papers published and was presented at a conference. The most exciting thing for me is that I can do my Master's thesis in industry!



HAW Hamburg in 120 Seconds

HAW Hamburg image video

» more:
<https://www.youtube.com/watch?v=q0h5lomi5sw>

— Hamburg University of Applied Sciences —



HAW Hamburg – Bergedorf campus – Life Sciences

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Hamburg University of Applied Sciences (HAW Hamburg) is one of the largest of its kind in Germany and within our four faculties we offer a wide range of Bachelor's and Master's programmes in engineering, IT, life sciences, design and media as well as business and social sciences. We focus on applied sciences in our teaching, giving our students a practical insight into their fields of study through projects, lab work, internships and theses in industry. Our expertise is drawn from faculty members who have worked in industry before joining the university. In research, we are an important partner for the city of Hamburg's companies and innovation clusters, developing new ideas from the synergies of this dynamic location.

Our fields of expertise reflect the technologies, industries and services that make Germany a leading economy, and our close collaboration with Hamburg's innovation clusters allows us to develop this knowledge in our teaching and research.

We are a very international university, with students from over 100 countries making up 16% of our students. Combined with the international nature of the city of Hamburg, you will feel very comfortable studying here.

Read more about the city and what our students say:<https://bit.ly/3bq2r13>



University location

In the north of Germany and in the heart of Europe, Germany's second largest city (1.8 million) offers excellent quality of life and international flair. If you like to spend your leisure time outdoors, then you will love Europe's "greenest" city with its lake, canals and beautiful parks. For those of you who love culture, Hamburg's museums, theatres and its world-famous concert hall, the Elbphilharmonie, will inspire you. Hamburg is also one of the most dynamic commercial centres in Europe, placing its strategic focus on six innovative segments: aviation (Airbus), IT and media, the international port and logistics, life sciences (biotechnology, medical technology and health care), nanotechnology, and renewable energies. We are sure you will feel at home.


Contact


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Faculty of Life Sciences


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 Course website: <https://www.haw-hamburg.de/en/study/degree-courses-a-z/study-courses-in-detail/course/courses/show/biomedical-engineering/Studieninteressierte/>

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

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

Last update 14.09.2024 14:21:15

International Programmes in Germany - Database

www.daad.de/international-programmes
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Editor

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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