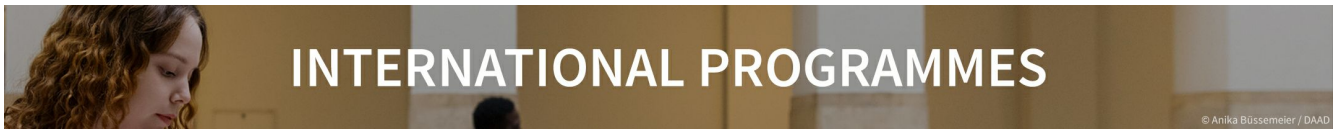
Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree

Chemical and Bioprocess Engineering

Hamburg University of Technology • Hamburg

Overview

Degree	Master of Science
Teaching language	• English
Languages	Courses are held in English; German language courses are offered before and during the programme.
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	1 March
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	Chemical and Bioprocess Engineering is a new multidisciplinary programme. It offers the opportunity to gain a broad knowledge in both biotechnological processes and classical chemical engineering. Close collaboration between these disciplines is a special feature of the engineering departments at TUHH in both education and research. Apart from basic knowledge in biological and biocatalytic processes, separation technologies, mechanical and reaction engineering, Master's students will gain an insight into the most challenging problems on the boundaries between these disciplines and participate in the collaborative research of several departments. The standard duration of the course is two years. In the first year, students take part in lectures, exercises and laboratory work. A project and a subject-specific seminar or a process design course take place in the third semester. The course of study is completed with a six-month Master's thesis in the fourth semester. The technological challenges of modern society and the requirements of the globalised labour market call for an excellent engineering education as well as for a sound additional qualification in the fields of business and management, soft skills and humanities. Therefore, the international Master's degree courses at TUHH include a number of non-technical compulsory elective courses. You are passionate about engineering, but do you want to go beyond? You can combine this course with a part-time MBA programme in Technology Management at the NIT Northern Institute of Technology Management. Therefore, you will meet the industry demand for engineers with a business education. You will graduate with two Master's degrees simultaneously and benefit from multiple career perspectives.

	https://www.nithh.org/your-double-degree

Course Details

Course organisation	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.
A Diploma supplement will be issued	Yes
International elements	• International guest lecturers • Language training provided • Integrated/optional study abroad unit(s)
Integrated/optional study abroad unit(s)	One semester abroad is strongly recommended to German students and optional for students of foreign nationalities.
Integrated internships	Students are encouraged to carry out their study projects in a company.
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	Approx. 350 EUR
Costs of living	Around 950 EUR per month
Funding opportunities within the university	Yes
Description of the above-mentioned funding	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

opportunities within the university	international students at TUHH. For more information, please refer to https://www.tuhh.de/tuhh/en/education/students/organisational-details-about-your-studies/financing-your-studies.

Requirements / Registration

Academic admission requirements	• Bachelor of Science or equivalent in a relevant subject • Applicants must hold a Bachelor's or equivalent degree in chemistry, chemical engineering or biotechnology • Very good previous academic performance
Language requirements	https://www.tuhh.de/tuhh/en/studying/before-studying/degree-courses/international-study-programs/how-and-when-to-apply.html
Application deadline	1 March
Submit application to	Technische Universität Hamburg STUDIS Studierendenservice (A33) Am Schwarzenberg-Campus 3 21073 Hamburg Germany

Services

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
General services and support for international students and doctoral candidates	Introductory events, special counselling office, accommodation office, tutorials, language courses, sports, and social activities

TU Hamburg

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.

TUHH
Hamburg
University of
Technology

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

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Course website: https://www.tuhh.de/tuhh/en/studying/before-studying/degree-courses/international-study-programs/chemical-and-bioprocess-engineering-1

https://www.facebook.com/tuhamburg

https://twitter.com/TUHamburg

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

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

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