



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Medical Microtechnology (MSc)

Technische Hochschule Lübeck • Lübeck

Overview

Degree	Master of Science
In cooperation with	Universität zu Lübeck and University of Southern Denmark, Sønderborg
Teaching language	<ul style="list-style-type: none">English
Languages	All courses are held in English.
Full-time / part-time	<ul style="list-style-type: none">full-time
Mode of study	Less than 50% online
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	Non-EU applicants: 1 January to 1 May for the following winter semester EU applicants: 1 May to 31 August for the following winter semester
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	Yes
Description/content	<p>The Technische Hochschule Lübeck, the Universität zu Lübeck and the University of Southern Denmark welcome students from all over the world who wish to deepen their knowledge in Medical Microtechnology.</p> <p>The joint international Master's programme in Lübeck, Germany, and Sønderborg, Denmark, is designed for students who wish to pursue careers in research and development, academia, or industry. The goal of the programme is to educate students in the interdisciplinary fields of engineering and medicine.</p> <p>Medical Microtechnology integrates physical, chemical, mathematical, and computational sciences as well as engineering principles to study biology, medicine, behaviour, and health. It addresses the</p>

area of miniaturisation in the field of minimally invasive surgery and implants for drug delivery. The integration of sensors and actuators leads to new options for diagnosis and therapy.

Course Details

Course organisation	<p>This programme is divided into four semesters, beginning in the winter semester.</p> <p>In the first semester, students with degrees in electronics, information technology, mechanical engineering, physics, process engineering, materials technology, or mechatronics will be enrolled in introductory courses in medicine, natural sciences, and medical technology in order to gain the necessary knowledge in these fields.</p> <p>Free intensive German courses of different levels are provided for international students each semester.</p> <p>During the second semester, students can enrol in a variety of specialised courses at the University of Southern Denmark. The common basics developed in the first semester will be expanded to include practical applications. This coursework will focus mainly on project-oriented teamwork.</p> <p>In the third semester, students will complete a research internship of at least four months. The results will be presented at the annual Lübeck Students' Conference.</p> <p>Finally, in the fourth semester, students will prepare and start writing a Master's thesis over the course of six months.</p> <p>» PDF Download</p>
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none">• Integrated study abroad unit(s)• Language training provided• Training in intercultural skills• Study trips• Projects with partners in Germany and abroad• Content-related regional focus
Integrated study abroad unit(s)	<p>The second semester will be attended at the University of Southern Denmark.</p> <p>Additionally, the internship and the Master's thesis can be accomplished in Germany, Denmark, or any other country.</p>
Integrated internships	<p>One internship of four to six months has to be completed after the second semester. Programme advisers will assist students in finding an appropriate internship in Germany or abroad.</p> <p>Academic supervision will be offered.</p> <p>Financial support will be possible.</p>
Special promotion / funding of the programme	<ul style="list-style-type: none">• Other (e.g. state level)• ERASMUS+
Course-specific, integrated	Yes

German language courses

Course-specific, integrated English language courses	No
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Online learning

Pace of course	Instructor-led (Specific due dates for lectures/assignments/exams)
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Phase(s) of attendance in Germany (applies to the entire programme)	Yes, compulsory
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Types of online learning elements	<ul style="list-style-type: none">• Online sessions
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Costs / Funding

Tuition fees per semester in EUR	None
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Semester contribution	Approx. 250 EUR per semester (including semester ticket for free public transport in Lübeck, Schleswig-Holstein, and Hamburg)
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Costs of living	Approx. 800 EUR
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Funding opportunities within the university	Yes
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Description of the above-mentioned funding opportunities within the university	Deutschlandstipendium (www.th-luebeck.de)
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Requirements / Registration

Academic admission requirements	Applicants must have a university or university of applied sciences degree (e.g. Bachelor's degree) in one of the following areas: Electrical Engineering, Mechanical Engineering, Mechatronics Engineering, Physics, Physical Technology, Material Sciences, Computer Sciences, or the equivalent.
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Students must hold a Bachelor's degree or a German diploma ("Diplom") with a grade of 2.5 or better (German grading system).

Language requirements	Applicants must provide proof of their English skills (please see https://www.mmt-master.de) Knowledge of German or Danish is not a requirement, but it does make integration and life a lot
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easier and improves career perspectives in Germany and Denmark.

Free German and Danish courses at different levels are offered by the universities.

Application deadline

Non-EU applicants: 1 January to 1 May for the following winter semester

EU applicants: 1 May to 31 August for the following winter semester

Submit application to

For a pre-check of your application, please send an e-mail tosilke.venker@th-luebeck.de.

Application:
Technische Hochschule Lübeck
University of Applied Sciences
c/o uni-assist e.V.
11507 Berlin
Germany

Services

Possibility of finding part-time employment

Due to the intensive nature of the programme, students will probably not have too much time for part-time jobs. However, there are opportunities to work on campus or in companies as a student worker. We will offer as much support as possible regarding this issue.

Accommodation

Accommodation in the dormitories is available through the Schleswig-Holstein Student Services Office or on the private market.

Rent for a single room in a student residence is approximately 250 EUR per month. More information concerning accommodation in Lübeck can be found at www.mmt-master.de.

In Denmark, rooms in dorms can be rented.

Career advisory service

The career centre supports students with their job applications and offers regular workshops.

Company addresses and contacts will be provided.

Intensive alumni network

Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Tutors
- Accompanying programme
- Specialist counselling
- Cultural and linguistic preparation
- Visa matters

General services and support for international students and doctoral candidates

Academic mentoring programme
Study buddies
International Office offers activity programme
Company visits, etc.

Contact

Technische Hochschule Lübeck

Department of Applied Natural Sciences

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23562 Lübeck

Tel. +49 4513005396

✉ silke.venker@th-luebeck.de

🌐 Course website: <https://www.mmt-master.de>

📘 <https://www.facebook.com/technische.hochschule.luebeck>

🐦 https://twitter.com/th_luebeck

🌐 <https://www.linkedin.com/school/15092582/>

📷 <https://www.instagram.com/th.luebeck/>

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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
Section K23 – Information on Studying in Germany
Kennedyallee 50
D-53175 Bonn
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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and Research