Table of Contents

Master's degree ................................................................................................................................................. 2

Mechanical Engineering, MSc • Technische Hochschule Lübeck • Lübeck ..................................................... 2
Master's degree

**Mechanical Engineering, MSc**
**Technische Hochschule Lübeck**

### Overview

<table>
<thead>
<tr>
<th><strong>Degree</strong></th>
<th>Master of Science in Mechanical Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Teaching language</strong></td>
<td>English</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
<td>Courses are held in English (100%), but the thesis project is in German industry. Therefore, knowledge of German and English are required.</td>
</tr>
<tr>
<td><strong>Programme duration</strong></td>
<td>3 semesters</td>
</tr>
<tr>
<td><strong>Beginning</strong></td>
<td>Winter and summer semester</td>
</tr>
<tr>
<td><strong>More information on beginning of studies</strong></td>
<td>The winter semester starts in September. The summer semester starts in March.</td>
</tr>
</tbody>
</table>
| **Application deadline** | **For the following summer semester:**
EU applicants: 1 November - 15 January
Non-EU applicants: 1 October - 1 December

**For the following winter semester:**
EU applicants: 1 May - 15 July
Non-EU applicants: 1 April - 1 June |
| **Tuition fees per semester in EUR** | None |
| **Combined Master’s degree / PhD programme** | No |
| **Joint degree / double degree programme** | No |
| **Description/content** | Is engineering fascinating to you? Have you graduated with a Bachelor’s degree, and are you looking for further qualifications? Are you creative and flexible, and are you looking for new challenges? Are you tempted by international studies?
If your answer is yes, this is the right study programme for you!

The "International Master Mechanical Engineering" programme at Lübeck University of Applied Sciences is based on a prior Bachelor’s degree in Mechanical Engineering. It provides you with a wide range of career opportunities. Consequently, our language of instruction is English.

The central focus for the MSc is new and different. Our approach is a strategic partnership between the students in the programme, their universities, and the industries. Our goal is to prepare you for the new challenges arising in an increasingly globalised world. |
It is the strong intention of this study programme to involve companies in the process of education and research. Furthermore, students are strongly encouraged to take responsibility for their own studies. Therefore, the majority of Master’s thesis projects are written in the industry. You will apply early and independently for an external thesis topic and benefit from company contacts in the second and third semester seminars. Knowledge of German is strongly recommended. German skills will help you successfully apply to companies for your seminar and thesis projects. As a result, you create a sound scientific basis for your Master’s thesis before your final semester starts.

Students graduate from this course with the internationally acknowledged degree Master of Science (MSc). The duration of our programme is three semesters (one and a half years = 90 European credit points, ECTS). Our programme is accredited and follows the international ECTS system for granting credits.

Two specialisations are provided:

"DESIGN"
In international business, you can only survive by proactively facing the challenges and managing the future yourself. The development and design of successful products and solutions for the market is a key success factor in business worldwide. It is one of the major foundations for the strategic market position for industry in the future. This is where the Design specialisation has its focus, as students are taught to think beyond horizons and limitations and learn targeting application technology that meets all relevant requirements – technical, social, and environmental.

"MATERIALS"
Materials have always played a major role in the development of new technologies. They will be a key factor to a successful orientation of mechanical engineering in the future.
In the past decades, there has been permanent and progressive growth in the area of polymers and ceramics. These specialised engineering materials increasingly supersede classical metals in machines and equipment. Thus, the improved components become lighter and more easily assembled, and innovative solutions are created that would have been impossible in the past. Therefore, the Materials specialisation focuses on polymers, composite materials, and metals. In addition, students can research and finish their Master’s theses in the field of surface sciences.

Course Details

Course organisation
This programme’s coursework is divided into three semesters. The regular start of the programme is in the summer semester. Admission is offered each summer (March) and winter semester (September).

In the summer semester, fundamental courses such as Finite Element Methods, Engineering Mathematics, Materials Science, Computer Aided Techniques in Design, Management and Leadership are offered.

In the second semester, students further specialise, especially in the two profiles Design and Materials. They select Management courses and write a scientific paper in one of our seminars.

The third semester consists of the Master’s project, a seminar, and the Master’s thesis.

Students who start in the winter semester start their studies with the second semester courses and take the first semester courses in the following summer semester. Thus, you take elective courses first in the event that you enter the programme in the winter.

Seminars are offered each semester, so there is no delay in concluding your studies. Most fundamental courses are offered in the summer semester. Most electives are offered in the winter semester.

The programme places a strong emphasis on the central role played by design and materials in innovations and in the integration of engineering disciplines. Students can choose between various engineering electives, e.g., Composite Materials, Advanced Material Testing, Medical Technology, Maintenance Engineering, or Prototyping and Virtual Reality.

Thus, you can focus your electives and thesis topic on your individual interests and goals - even beyond our offered course modules. For example, you can choose to do research in the field of...
surface sciences or medical appliances at Fachhochschule Lübeck. In addition, you have the opportunity to take courses or write your thesis at our partner universities without delaying your graduation.

Our industry-oriented classes, research projects, and theses offer further in-depth knowledge in various fields, thus qualifying you for future management positions. Consequently, electives in management and general education are part of the curriculum.

Our Master of Science Mechanical Engineering programme offers students variety, international experience, and challenge! Take advantage of this chance!

**Types of assessment**
- Written and oral exams, projects, seminars, scientific papers, labs, and presentations in accordance with guidelines
- Master's thesis and oral colloquium
- Programme comprises 90 ECTS

**International elements**
- Other

**Description of other international elements**
A total of 30 ECTS points of our curriculum can be earned abroad at one of our partner universities.

**Integrated internships**
Students are strongly encouraged to take responsibility for their own studies. Therefore, the majority of Master's thesis projects are written in industry. You will apply early and independently for an external thesis project and benefit from your company contacts in the second and third semester seminars.

**Special promotion / funding of the programme**
- ERASMUS+
- Other (e.g. state level)

**Course-specific, integrated German language courses**
Yes

**Course-specific, integrated English language courses**
No

## Costs / Funding

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition fees per semester in EUR</td>
<td>None</td>
</tr>
<tr>
<td>Semester contribution</td>
<td>Approx. 270 EUR per semester including public transportation</td>
</tr>
<tr>
<td>Costs of living</td>
<td>700 EUR per month</td>
</tr>
<tr>
<td>Funding opportunities within the university</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**PDF Download**
Requirements / Registration

| Academic admission requirements | Bachelor’s degree in mechanical engineering with 210 ECTS or equivalent and an overall grade of 2.5 (German grading system) or equivalent thereof

Other Bachelor’s degrees considered:
Priority A
- Process engineering
- Materials science
- Mechatronics
- Medical engineering (medical technology), physical engineering

Priority B
- Bachelor’s degree in other fields of engineering (BSc, BEng)

In this case, please attach a short letter of motivation.

For further and more detailed information about our application process, see our website:
http://www.MScMechEng.fh-luebeck.de

NOTE: Application is only possible during the official application periods as stated on our website.

| Language requirements | Good knowledge of English is required in order to follow lecture modules. One of the following criteria has to be fulfilled in order to demonstrate sufficient English proficiency:
- English was the official language throughout the school education.
- at least five years of continuous language lessons in English during school education
- a stay in an English-speaking country with a duration of at least six months during a study programme or while working in an English-speaking country
- If English was the official language of the study programme qualifying you for the Master of Science Mechanical Engineering, your knowledge of English may be proven in this way.
- Results from an internationally accepted language test in English (for example, the TOEFL test) or "independent user" B2 or similar, according to CEFR (Common European Framework of References for Language) can be submitted. For more details, please see our website. Fulfilment of the criteria must be proven.

Basic knowledge of German is required in order to successfully apply for a thesis project in industry. Applicants from non-German-speaking countries must prove their German language proficiency by means of one of the following criteria:
- German was the official language during their school education
- German was the official language of the study programme qualifying for the Master of Science Mechanical Engineering
- internationally acknowledged language test, minimum level A2, according to the CEFR

Applicants who have German skills at an A2, B1, or B2 level will be expected to continue their German language education during their studies.

| Application deadline | For the following summer semester:
EU applicants: 1 November - 15 January
Non-EU applicants: 1 October - 1 December
For the following winter semester:
EU applicants: 1 May - 15 July
Non-EU applicants: 1 April - 1 June

Submit application to
Technische Hochschule Lübeck - University of Applied Sciences
c/o uni-assist e.V.
11507 Berlin
Germany

Online portal uni-assist

Services

Possibility of finding part-time employment
Due to the intensive nature of the programme, time for a part-time job is very limited. Therefore, we do not recommend it. But there are possibilities to work on campus or in industry. For most job offers, good knowledge of German is required.

Accommodation
Accommodation is available through the Student Services Office or on the private market. See: http://www.studentenwerk-s-h.de
Rent for a single room in a student residence is approx. 260 EUR.

Career advisory service
Career advisory service is available.

Specific specialist or non-specialist support for international students and doctoral candidates
- Welcome event
- Buddy programme
- Specialist counselling
- Tutors

Contact

Technische Hochschule Lübeck
Department of Mechanical Engineering and Business Administration
Coordination Office MSc Mechanical Engineering
Mönkhofer Weg 239
23562 Lübeck

mscmecheng@th-luebeck.de
Course website: https://www.th-luebeck.de/MM/
https://www.facebook.com/technische.hochschule.luebeck/
https://twitter.com/thluebeck
https://www.instagram.com/th.luebeck/

Last update 11.06.2020 04:30:12
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
(responsible: Judith Lesch)
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”.

The publication is funded by the German Federal Ministry of Education and Research and by contributions of the participating German institutions of higher education.