



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Information Technology

OWL University of Applied Sciences and Arts • Lemgo



Overview

Degree	Master of Science (MSc)
Teaching language	<ul style="list-style-type: none">English
Languages	Courses are conducted in English. Participants will also write the Master's thesis in English.
Full-time / part-time	<ul style="list-style-type: none">full-timepart-time (study alongside work)
Mode of study	Less than 50% online
Programme duration	4 semesters, 8 semesters
Beginning	Winter and summer semester
Additional information on beginning, duration and mode of study	<p>In winter semesters, the lecture period starts in late September / early October.</p> <p>In summer semesters, the lecture period starts in late March / early April.</p>
Application deadline	<p>Information regarding application periods for Master's in Information Technology is available here.</p> <p>For a complete overview of how to apply to TH OWL, please click here.</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	Future World Empowerment Programme: Our unique Future World Empowerment Programme will equip you with the knowledge and skills to be a leader in today's society. Our holistic approach

covers technical, economic, social and ethical aspects of IT, equipping you with the skills to succeed in a rapidly evolving field. Our programme includes training in The Scientific Worldview; Responsible Leadership; Entrepreneurship; and European and Global Business, preparing you for the Global Market.

In detail, the curriculum covers the following content:

First semester, compulsory subjects:

Advanced Topics in Algorithms – Discrete Signals and Systems – Probability and Statistics – Usability Engineering – Scientific Methods and Writing – Management Skills and Business Administration

Second semester, compulsory subject:

Innovation and Development Strategies

Second semester, compulsory optional subjects:

Communication for Distributed Systems – Embedded Systems Design – Industrial Software Engineering – Information Fusion – Intelligent Technical Systems – Network Security – Advanced Topics in Machine Learning – Authentication

Third semester:

Research project

Fourth semester:

Master's thesis

Course Details

Course organisation

Students can enrol as either full-time or part-time students. Part-time students will attend the same scheduled courses as full-time students, but they may complete the programme at their own pace in eight semesters instead of four semesters. For engineers who wish to start a dual part-time programme, the Master's programme in Information Technology offers a fabulous opportunity to combine science with on-the-job experience.

[» PDF Download](#)

A Diploma supplement will be issued

Yes

International elements

- International guest lecturers
- Training in intercultural skills
- Content-related regional focus
- Projects with partners in Germany and abroad
- Courses are led with foreign partners
- International comparisons and thematic reference to the international context

Integrated internships

Integrated internships are not necessary; the programme includes a compulsory research project.

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	Please visit the following link for current information on the TH OWL semester contribution and the components it comprises: TH OWL Semester contribution
Costs of living	<p>A blocked account is a special type of bank account for international students in Germany which proves that they have enough funds to live in Germany for a year. It is a requirement when applying for a German student visa or a student residence permit.</p> <p>Since 1 January 2023, the annual requirement that must be paid into a blocked account when applying for a visa amounts to 11,208 EUR (934 EUR per month).</p> <p>For information on living in OWL as well as requirements for your visa and blocked account, please click here.</p>
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	<p>We offer several scholarships to support young and talented students who share our common vision. Our OWL Fellow Programme provides a fellowship / employment package of up to 50,000 EUR to outstanding and highly motivated students, giving them the opportunity to work closely with a company in Germany's Mittelstand sector. More information</p> <p>Further scholarship programmes</p>

Requirements / Registration

Academic admission requirements	Admission requirements
Language requirements	Admission requirements
Application deadline	<p>Information regarding application periods for Master's in Information Technology is available here.</p> <p>For a complete overview of how to apply to TH OWL, please click here.</p>
Submit application to	Please click here for information on applying to TH OWL

Services

Possibility of finding part-time employment	The primary purpose of your stay is to study. In Germany, your residence permit is not a work permit. Nonetheless, limited kinds of employment are possible. As a registered student at OWL University of Applied Sciences and Arts in Lemgo, the work permit regulation (in German –
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"Arbeitserlaubnisverordnung", in short, "AEVO") § 9 No. 7 allows you to work for up to 120 full or 240 half days a year without an additional work permit.

You may work when the university is in session as well as during semester breaks. Only those days on which work is carried out are considered.

Traditional jobs of an academic character such as student tutoring can be carried out in addition to the above-mentioned 120 full days or 240 half days. Such jobs are not subject to time restrictions.

Accommodation

The following link lists student housing options as well as other helpful information for your housing search. Please click here for [housing information](#).

Career advisory service

[Career Service of TH OWL](#)

Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Specialist counselling
- Pick-up service
- Help with finding accommodation

General services and support for international students and doctoral candidates

The International Student Guide offers you a first look at what TH OWL has to offer for support services, ways for you to be involved, important dates and much more. Please [click here](#) to view our International Student Guide.



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Lisa Helene Gebauer BSc

After my Bachelor's studies at TH OWL, I decided to apply to the IT Master's programme. This decision was made easy by the positive experiences I had during my Bachelor's studies, the interesting course content and the added bonus of studying in an international study programme. I also started working in research at Institute Industrial IT (inIT). I strongly recommend the IT Master's programme to those looking to combine a great education with a valuable opportunity for personal development.

Our Partners



Innovation Campus Lemgo – Become a Future World IT Engineer @ TH OWL

Explore the Lemgo Innovation Campus and become a Future World IT Engineer!

» more:
<https://youtu.be/j5eXyZnNqfQ>

— OWL University of Applied Sciences and Arts —



Main building of TH OWL in Lemgo

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At OWL University of Applied Sciences and Arts, abbreviated TH OWL, we take great pride in offering first-class teaching and personal support to our students. Our highly motivated and reputable professors are dedicated to ensuring that you receive the best education possible through small working groups that encourage interaction and collaboration. This is also reflected in the nationwide CHE university rankings, in which TH OWL achieved top scores. Particularly with regard to research strength and practical relevance in the fields of computer science and electrical engineering, we belong among the best universities of applied sciences in Germany.

We are also proud to provide state-of-the-art research facilities, such as the SmartFactoryOWL and Lemgo Digital from the Fraunhofer Institute, where you can interact with the latest technologies and develop and apply your own technical and societal ideas.

Engineers like to make things that matter. We offer the needed environment.



University location

At our Lemgo Innovation Campus, you will be part of a vibrant international community surrounded by approachable professors who are passionate about sharing their knowledge and collaborating on real-world projects. You will have access to the latest technologies in our SmartFactoryOWL and work with prestigious partners from science and business on campus in our Centrum Industrial IT (CIIT).

Contact

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🌐 Course website: <https://master-it.init-owl.de/>

🌐 <https://de.linkedin.com/company/initowl>

📷 https://www.instagram.com/etechnik_technische_informatik/

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International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

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Section K23 – Information on Studying in Germany
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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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