

Bachelor of
General Engineering (B.Sc.)
International Bilingual
Degree Program

STEM
in Germany



Study at the very top of Germany

Student Testimonials

“

I really enjoy the practical, interdisciplinary courses at TH OWL. And especially the intensive support from my professors.

Delphine Makougoum Tene
Master Mechatronics student from Cameroon

”



“

I am studying General Engineering to gain practical experience through hands-on courses and the internship in the fourth semester will be a great boost to my career.

Ahmed Yakoub Selhab
Bachelor General Engineering student from Algeria

”



“

Having ten alternative choices in specializations in this study program provides flexibility, allowing me to explore other areas if my interests evolve or if I discover new passions.

Remy Numbi
Bachelor General Engineering student from Democratic Republic of Congo



“

The opportunity to improve my German skills while studying is really valuable to enter the German job market.

Emilio Gabriel De Alba Aguado
Bachelor General Engineering student from Mexico

”



I choose to study General Engineering at the TH OWL because of its interdisciplinary approach, which allows me to explore various fields of Engineering before specializing.

Arman Sargsyan
Bachelor General Engineering student from Armenia

”



Bachelor of General Engineering (B.Sc.)
At a glance

Aims at	International and national students
Location	Lemgo, Germany
Language requirements	English (B2) / German (A1)
Start of semester	01 September
Application period	01 January – 15 July (Non-EU) via uni-assist 02 May – 15 October (EU) via TH OWL
Duration of program	8 semesters, including a practical semester
Program’s language	bilingual, English and German
Academic degree	Bachelor of Science (B.Sc.)
Costs	approx. 350 € semester fee

No tuition fees!

Engineering matters! Are you motivated to make a contribution to the future with innovative and sustainable technologies and to take on responsibility? Then our bilingual Bachelor’s degree program in General Engineering with its holistic approach is just right for you.

You will gain a solid foundation of basic engineering knowledge and specialize in one of our German-language engineering courses. This will equip you for the challenges of the 21st century. Our program is tailored to your strengths and needs.

The bilingual Bachelor of General Engineering aims at both international and German students who are interested in a wide range of engineering and socially relevant topics. It prepares you for a professional career as an engineer.



Find out more:

[www.th-owl.de/en/
general-engineering](http://www.th-owl.de/en/general-engineering)



Bilingual Bachelor of General Engineering

Program structure

The program allows you to orient yourself in the first semesters in English. After a practical semester you will choose from one of the engineering specializations.

Your degree program is eight semesters, with your bachelor thesis in the last semester. We encourage all our students to do their thesis in cooperation with industry.

Specializations

- ▶ Computer Science
- ▶ Digital Production Engineering
- ▶ Electrical Engineering
- ▶ Food Technology
- ▶ Life Sciences: Industrial Pharmacy, Biotechnology and Cosmetic Technology

- ▶ Mechanical Engineering
- ▶ Mechatronics
- ▶ Wood Technology

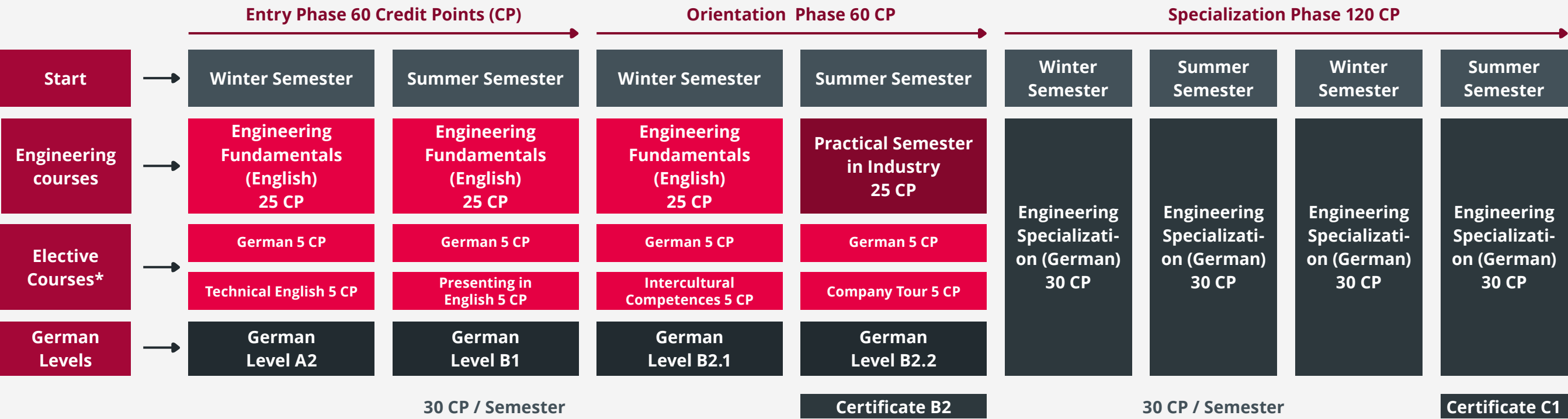
Your degree program is divided into three parts:

- ▶ Entry phase (two semesters in English),
- ▶ Orientation phase (two semesters in English, including a practical semester)
- ▶ Specialization phase (four semesters in German)

Degree awarded

- General Engineering (B.Sc.) – Computer Science
- General Engineering (B.Sc.) – Digital Production Engineering
- General Engineering (B.Sc.) – Electrical Engineering
- General Engineering (B.Sc.) – Food Technology
- General Engineering (B.Sc.) – Life Science Technologies
- General Engineering (B.Sc.) – Mechanical Engineering
- General Engineering (B.Sc.) – Mechatronics
- General Engineering (B.Sc.) – Wood Technology

Program structure

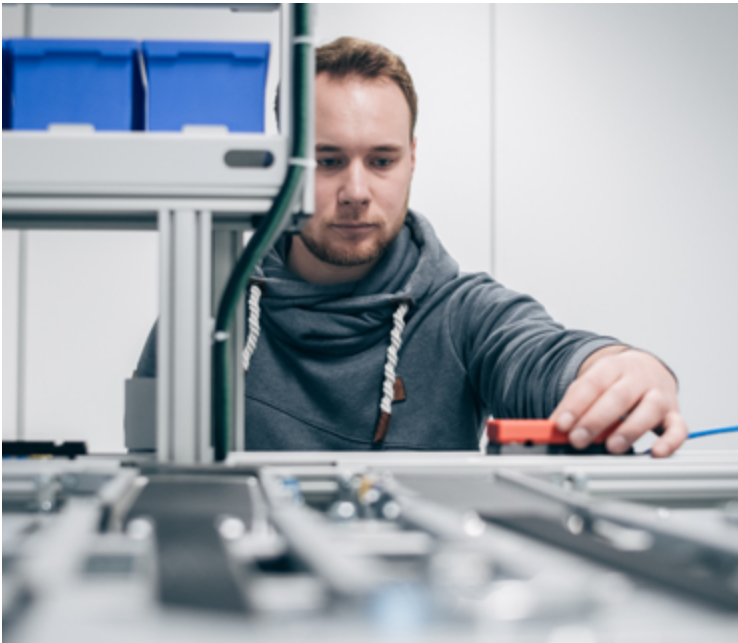


*Depending on your language skills, you will either choose German or English classes from the elective courses.

Career opportunities and job profiles

Innovation Campus Lemgo (ICL)	
General Engineering (B.Sc.) – Computer Science	Computer sciences is a key field shaping technical progress. Machine learning and data handling processes are becoming more important in many industries. As a technical computer scientist, you will be needed in the same areas as electrical engineers and mechatronics technicians, for instance.
General Engineering (B.Sc.) – Digital Production Engineering	Graduates are offered career prospects as specialists and managers in areas such as production assembly, production planning, work preparation, quality management and assurance, technical consulting and sales & distribution.
General Engineering (B.Sc.) – Electrical Engineering	Electrical engineering plays a key role in shaping technical progress. Wind turbines, autonomous machines or micro-chips – electrical engineering covers all areas in which electrical, information technology and mechatronic equipment and systems are used.
General Engineering (B.Sc.) – Food Technology	The study content consistently leads to qualification in industry-related use in food production, quality control, development, organization, sales and distribution and as well as in the supplier and mechanical engineering industry and in consulting companies.
General Engineering (B.Sc.) – Life Science Technologies	The Department of Life Science Technologies trains highly qualified specialists and managers. Right from the start of their studies, students are taught skills with a strong practical focus. The study program of Cosmetic Technology is unique in Germany and was developed for the special professional requirements of the cosmetics and detergent industry.
General Engineering (B.Sc.) – Mechanical Engineering	As a mechanical engineer, you will work in the areas of design, development, construction, commissioning, maintenance and operation of machines and systems (as for example working as a consulting engineer, in official agencies and administrations or in R&D or production and sales in an industrial company).

Innovation Campus Lemgo (ICL)	
General Engineering (B.Sc.) – Mechatronics	Our degree program qualifies you to work in the areas of design, development, construction, commissioning, maintenance and operation of mechatronic systems. Job profiles can include working as a consulting engineer, in R&D or production and sales in an industrial company or working in official agencies and administrations.
General Engineering (B.Sc.) – Wood Technology	Your future fields of work as a wood technology engineer are all management and leadership positions in companies in the wood industry, timber construction and interior design. Typical job descriptions and position titles are process engineer, technologist, product manager, technical salesperson, quality or application manager, operations or technical manager and production manager.



Specializations

Study with us and become part of a lively community!
Your advantages with our industry network at TH OWL



Industry partners looking for talents

Regional and national companies in Ostwestfalen-Lippe strongly depend on export and global cooperation. Their business locations and partners are located all around the world. TH OWL works closely with leading industry partners in education and research to train and develop international professionals for the industry sector. Our industry partners support students and studies with practical insights by giving lectures, workshops and practical trainings, or organizing company visits.



Find more industry partners of our degree program at
www.th-owl.de/en/career-service/career-center



Diversity combined with relevant knowledge is the key to developing innovative solutions and coming up with new ideas in a dynamic and creative working environment.

Frank Stührenberg, former management and CEO, Phoenix Contact



The interdisciplinary cooperation and practical relevance of the degree program „General Engineering“ is a solid foundation for tomorrow's specialists.

Volker Bibelhausen, former CTO and speaker of the board, Weidmüller Group



The future of STEM studies lies in interdisciplinary collaboration and intercultural exchange. The degree program brings together young people from different countries and disciplines.

Wolfgang Wiele, Director and CTO, KEB Automation KG



The bilingual approach not only reduces the language barrier for international students, but it is also an added value for German students in an increasingly global economy.

Dr. Christian von Twickel, Member of the Management Board, Dr. August Oetker Nahrungsmittel KG



Find your match with our industry partners!

A compulsory practical semester is dedicated to help you gain professional experience during an internship at our industry partners. Universities of Applied Sciences have a very hands-on approach to studying and the bilingual Bachelor of General Engineering helps you to apply your theoretical knowledge in various practical projects.

The TH OWL is an important part of the dynamic scientific and economic region of Ostwestfalen-Lippe (OWL) in the state North Rhine-Westphalia. The close links to many companies in the region that the TH OWL possesses, offer you practice-oriented studies, including experience in the industry during your studies.

At the end of your studies, you will have gained outstanding knowledge of practical engineering. Our study program will qualify you for the demanding career opportunities in a globally acting industry and you will be proficient in German and English, thus have acquired international key qualifications.



Studying in Lemgo and Höxter

At the **Innovation Campus Lemgo (ICL)** you will study in a modern university setting which is located in a very attractive region in Germany close to the Teutoburger Wald – particularly in terms of quality of life and recreational activities. ICL is located close to the city center, just a 15-minute walk from the main station, and even has its own train stop: Lemgo-Lüttfeld. Lemgo is an experience with first-class museums, cultural events and galleries, city festivals and nature recreation. Everything is within walking distance on a stroll through the town.

Sustainable Campus Höxter (SCH) is situated in the heart of Höxter. The small town of Höxter is situated in a stunning landscape, next to the UNESCO World Cultural Heritage Carolingian Westwork and Civitas Corvey (erected in the 9th century AD). The modern and architecturally beautiful “Sustainable Campus” with its own extended botanical garden provides industry-standard facilities. It offers the spatial framework for concentrated study in an intense exchange with professors and assistants as well as with German and other international bachelor’s and master’s students.



www.th-owl.de/en/university/profile/campus-life/



Student residences and housing

Lemgo and Höxter are a small but popular cities. You should therefore start looking for accommodation at an early stage. Find out more at

www.th-owl.de/en/studies/starting-your-degree/housing-during-your-degree/



Living costs

Public universities in North Rhine-Westphalia (and generally in Germany) do not charge tuition fees for full-time undergraduate and graduate courses, neither for German nor for international students. The only fees are semester dues that you have to pay for enrollment or re-registration (334 € per semester, including your student CampusCard and semester ticket). The CampusCard (KISOWL) is a multifunctional chip card that you can use as a library card, electronic wallet, print management and as a visual identification card. The name of the card is derived from the three profiles of the study campuses (Kreativ Innovativ Sustainable).

An overview of the components of the semester dues can be found at



www.th-owl.de/en/studies/application-and-enrollment/semester-dues/

Lemgo and Höxter are affordable places to live compared to many big cities. An overview of the approximate costs below will help you calculate the cost of living in Lemgo:

Living expenses per month	Estimated Costs
Accommodation	250 - 450 €
Food & Drinks	150 - 300 €
Clothing	35 - 55 €
Health & Liability Insurance	140 €
Study Materials and Semester Dues	90 - 120 €
Telephone & Internet	25 - 40 €
Leisure, Travel & Sports	55 - 120 €
Total expenses	800 - 1225 €

No tuition fees!



Language requirements for admission

In order to apply for the Bachelor of General Engineering, you will need a language level of German A1 and English B2.

German language requirements (A1)

For the Bachelor program General Engineering, there is not a specific format to complete the A1 German language certificate. This can be completed through all formats including at a private language school.

English language requirements (B2)

The following English language tests are recognized →

Applicants who submit the following certificates are exempt from the requirement to prove their English language skills: Secondary school leaving certificates from Australia, Canada, Ireland, New Zealand, the UK (A-Level certificate), USA (High school diploma) and Scotland (Qualifications certificate); University degree certificates from Australia, Canada, Ireland, New Zealand, UK and USA.



Find out more on
accepted language
certificates at

[www.th-owl.de/en/
international-office-th-owl/
applying-at-the-th-owl/
#c-accordion-84983-4](http://www.th-owl.de/en/international-office-th-owl/applying-at-the-th-owl/#c-accordion-84983-4)

Visa requirements and health insurance

Visas

Students from countries within the European Union do not need a visa to enter Germany. International students from countries outside of the EU will have to procure a visa in order to study in Germany.

The visa application must be submitted to the local German embassy well ahead of your stay.

Proof of financial resources

If you are an international student from a non-EU country, you must prove that you have the financial resources to cover your living expenses in Germany.

Proof of financial resources is an important condition to get your student visa and residence permit. The amount required to be deposited into a German blocked bank account (Sperrkonto) when applying for a student visa to Germany is 11,208 € or 934 € per month for your planned stay (initially up to 12 months).

Health insurance

As health insurance is mandatory in Germany, you need to provide proof of health insurance recognized in Germany. German health insurance companies are either public or private. You can get German statutory health insurance, or, if you already are fully insured in your home country, provide proof of exemption from the German statutory health insurance upon enrolment.

Please remember that providing proof of health insurance recognized in Germany is necessary upon enrolment at TH OWL.



Student Visas

Even if you have not yet received your admission letter, you should apply for a student visa as soon as possible. Student visas are only issued for a period of up to three months. After your arrival in Germany, you will need to apply for a student residence permit at the Immigration Offices of Kreis Lippe.



More information on visa requirements and
health insurance can be found at

[www.th-owl.de/en/international-office-th-owl/
applying-at-the-th-owl/](http://www.th-owl.de/en/international-office-th-owl/applying-at-the-th-owl/)

Admission and Application

Admission Requirements

If you would like to apply for the Bachelor of General Engineering, you will need a language level of German A1 and English B2 according to CEFR, as well as a pronounced interest in engineering, mathematics, chemistry and computer science – the STEM disciplines. You may apply without any German language skills, if you prove in a motivation letter how to catch up quickly.

Applying from a non-EU country, you may need to attend a preparatory course at a Studienkolleg or study two to three semesters in your home country in order to receive a higher education entrance qualification. This will entitle you to study at a German university.

Review by uni-assist for Non-EU

If you obtained your higher education entrance qualification at a non-German institution, you must request a preliminary review documentation (Vorprüfungsdocumentation, VPD) by uni-assist in advance. Afterwards you have to submit this VPD and your other application documents to TH OWL.

At uni-assist, you can apply for a VPD from 01 January onwards. It can take four to six weeks until you receive your VPD result. Please take this into account when planning your application at TH OWL.

Application

Application for the Bachelor of General Engineering is only possible for the winter semester via our online portal.

Application period: 01 January – 15 July (Non-EU)
02 May – 15 October (EU)

Academic calendar

Winter semester 01 September – 28/29 February
Examination period approx. 20 January – 10 February

Summer semester 01 March – 31 August
Examination period approx. 1 July – 14 July



Find out more about
admission and application:

[www.th-owl.de/en/studies/
available-courses/degree-programs/
detail/general-engineering/](http://www.th-owl.de/en/studies/available-courses/degree-programs/detail/general-engineering/)

Checklist application process For international students

1. INFORM YOURSELF ABOUT

- ▶ degree programs
- ▶ prerequisites / required documents

Application period
01 January – 15 July

2. APPLY ONLINE

- ▶ Apply via Uni-Assist to receive Preliminary review document (VPD)
- ▶ Once documents are approved you receive an admission letter from TH OWL
- ▶ Register in online enrolment portal (KIS portal) from 02 May onwards
- ▶ Choose your degree program
- ▶ Enter personal details and academic qualifications
- ▶ Upload:
 - ▶ VPD by uni-assist
 - ▶ Proof of German / English language examination



3. STAY INFORMED

- ▶ Check the status of your application regularly to not miss anything
- ▶ Look for accommodation
- ▶ Non-EU-citizens have to apply for a
 - ▶ Student visa at the local German embassy well before the start of studies

Find out more
application process
for Non-EU students:



4. ACCEPT YOUR ADMISSION

- ▶ After your application is reviewed, you will get a notice of acceptance
- ▶ Request enrolment at the online enrolment portal (KIS portal)
- ▶ Contact your health insurance company for an electronic report of your insurance status (M10)
- ▶ Upload additional documents for enrolment
 - ▶ Proof of having paid the student union contribution
 - ▶ Certificate of removal from your previous university, if necessary

5. PREPARE YOUR STAY

- ▶ Get a visa as soon as possible
- ▶ Arrange your journey to and your stay in Germany
- ▶ Apply for an accommodation well in advance!

Welcome to TH OWL

Start of studies
01 September – winter semester

The OWL University of Applied Sciences and Arts (TH OWL)

Where distances are short and networks are wide. Our economically strong Ostwestfalen-Lippe region (OWL) offers numerous opportunities. The OWL University of Applied Sciences and Arts (TH OWL) has excellent networks with the economy and research institutions and cooperates with various universities worldwide.

With a strong commitment to practical relevance, TH OWL diligently prepares students for careers in engineering, technology, planning and design fields. Moreover, the university actively contributes to cutting-edge research and innovation in these fields, fostering continuous intellectual growth.

The TH OWL is creative, innovative and sustainable. It lives through the diversity of its departments, which are technically, economically, creatively and artistically oriented.



www.th-owl.de/en/university/profile/#c-accordion-63512-2



Right at the Top in North Rhine-Westphalia Ostwestfalen-Lippe



„Working for a smarter region“

Creative / Innovative / Sustainable

CREATIVE CAMPUS IN DETMOLD

- ▶ Home of the internationally recognized „Detmold School of Design“ with programs in architecture, interior architecture, urban planning and integrated design.
- ▶ The department of civil engineering is specialized in digital and sustainable construction.
- ▶ Our media production department is equipped with the latest digital video production facilities.
- ▶ In the „KreativInstitut NRW“, the TH OWL cooperates with the Hochschule für Musik (HfM), University of Paderborn and other partners from the media and creative industries.

INNOVATION CAMPUS IN LEMGO

- ▶ Home to all the technical and engineering departments as well as Life Science Technologies and an economy department with high potential research institutes.
- ▶ Process automation and digitalization up to artificial intelligence and mobility are all strong topic areas on this campus.
- ▶ The CENTRUM INDUSTRIAL IT (CIIT), the SmartFactoryOWL, the Future Food Factory OWL as well as the InnovationSPIN represent numerous collaborations with enterprises.

SUSTAINABLE CAMPUS IN HÖXTER

- ▶ Home to our departments dealing with environmental issues and landscape.
- ▶ We firmly believe that environmentally friendly and resource-conserving processes can only be achieved through the consistent use of modern and digital technology.

Contact information

TH OWL University of Applied Sciences and Arts

International Office
Campusallee 12
32657 Lemgo
www.th-owl.de/en

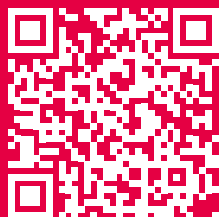
Student Advice in German

Central Student Advisory
Phone: +49 5261 702 2535
E-mail: Studierendenservice@th-owl.de

Student Advice in English

Mrs. Kerstin Rosemann
internationaloffice@th-owl.de

The International Office supports foreign students, during their studies and their stay at TH OWL from your application and arrival until your degree at TH OWL.



www.th-owl.de/en/international-office-th-owl