

Environmental Engineering (B.Eng.) - Hof University — Hof University

Source: <https://www.hof-university.com/studying-at-hof-university/our-degree-programs/environmental-engineering-beng.html>

This Bachelor's program offers:

Comprehensive, interdisciplinary knowledge in environmental and process technology.

A systemic understanding of complex and systemic interrelationships.

Practical skills to achieve sustainability goals.

Advanced communication and integration capabilities for collaborative success.

Shape the future of environmental technology in tomorrow's industrial society!

For international students, mandatory German language courses help to integrate into academic and professional settings. Students proficient in German can pursue additional key qualifications or courses in other languages.

This program qualifies students for careers in environmental technology and engineering, with a focus on sustainability and the digital transformation of society. Graduates develop skills and knowledge in:

Fundamentals of engineering and natural sciences.

Understanding natural cycles (water, soil, air) and their interaction with society and industry.

Circular economy principles and energy efficiency in environmental systems and buildings.

Methods for analysing and implementing environmental science findings and projects.

Developing innovative solutions for environmental engineering challenges using cutting-edge tools and technologies.

German language skills (level B2) at graduation.

The Bachelor's program spans seven semesters, with a blend of theoretical and practical components.

The language of instruction is English, ensuring accessibility for international students.

With intensive mandatory German language courses in semester 1-4, students reach a German language level of B2 to support integration and career opportunities in German-speaking environments. Students proficient in German can pursue additional key qualifications or courses in other languages.

First semester: flexible and online
Designed for maximum flexibility and international accessibility, the program begins with an online first semester, allowing students to start their studies from anywhere in the world. However, please note that the exams for the first semester are mandatory and must be taken on-site at Hof University during the first two weeks of March. Taking these exams is required to progress to the second semester.

Semester 7: Internship in industry
A mandatory internship in the 7th semester allows you to gain hands-on experience in real-world environments.

The Bachelor's program in Environmental Engineering combines foundational knowledge, practice-oriented modules, and real-world application.

Semester 1 and 2: Fundamentals
Focus on fundamentals such as mathematics, mechanics, computer science, materials science, and project management. International students receive intensive mandatory German language training.

Semester 3 and 4: Specializations I
Core specializations in thermodynamics, environmental chemistry, reaction technology, microbiology, environmental toxicology, tap water treatment, hydrology, and environmental economics. International students receive mandatory German language training.

Semester 5 and 6: Specializations II
Specialization in advanced topics, including hydraulics and modeling, environmental analysis, wastewater treatment, circular economy, plus 5 elective modules for tailored expertise.

Semester 7: Internship semester and Bachelor's thesis
A compulsory practical phase/internship (one semester) and Bachelor's thesis, often in collaboration with industrial partners, provide hands-on experience with real engineering challenges.

Study plan B.Eng. in Environmental Engineering

With this Bachelor's program, you gain...

The ability to analyse and solve environmental engineering challenges using modern tools like CAD and simulation software.

Comprehensive knowledge to develop and evaluate sustainable solutions, such as feasibility studies and design plans.

Expertise in applying circular economy principles and environmental science findings to real-world projects.

German language skills (level B2) at graduation

In addition, you benefit from...

A strong foundation in digital technologies for effective and efficient project implementation.

Advanced communication and collaboration skills to work in interdisciplinary and international teams.

The ability to evaluate solutions from ecological, economic, and social sustainability perspectives.

Environmental engineers are in high demand to address critical global challenges. Graduates are prepared for a wide range of roles, including:

Planning and project management in environmental engineering.

Research and development in industry or academia.

Supervisory and consultancy roles in local, regional, and national authorities.

Product development and sales.

Self-employment in the environmental engineering sector.

You are ready to work as

Environmental Engineer

Project Manager in Water and Wastewater Treatment Projects

Sustainability Consultant

Research Scientist in Environmental Technologies

Circular Economy Specialist

The international orientation of the program also opens doors to global markets and advanced studies in specialized Master's programs.

Academic requirements

General higher education entrance qualification or subject-linked university entrance qualification,
University of Applied Sciences entrance qualification or professional qualification

If you are not sure about your university entrance qualification, please check uni-assist and the DAAD database

Language requirements

You need to prove your proficiency in English. This can be done with either of the following:

TOEFL minimum 90

IELTS 6.5 or above

In addition: German language skills, proven by official test score documents - minimum level A1

All applications must be done via our online application portal Primuss

The application period is between April 15 - May 31.

An admission committee intensively scrutinizes all applications and decides about final admission.
Admission letters will be issued in June.

If you acquired your university entrance certificate abroad, uni-assist must assess your certificate before you can send it to Hof University. We advise you to send your documents to uni-assist at least 4 weeks before our application deadline.

If you have any questions concerning the application process, please contact admission(at)hof-university.de.

Intensive support

Hof University offers a safe, friendly and open-minded study environment. Find out more about our intensive personal support for international students!

Environmental Engineering

April 15 - May 31

Info and services

Preparing your stay

Are you coming from abroad and plan to start a Bachelor's degree at Hof University?

On this page, you will find all the essential information you need to prepare for your studies with us: visa, health insurance, financing, accommodation, and more.

The campus is the management and administrative center of the university. Here you will find the university library, high-tech laboratories and university sports facilities.

More about Campus Hof

Yvonne from Peru

Please contact our Welcome Center.

Head of Program

Prof. Dr. Tobias Schnabel

Friday: 8:00 - 9:00