Engineering Science (international) (B.Eng.) - Hof University — Hof University

Source: https://www.hof-university.com/studying-at-hof-university/our-degree-programs/engineering-science-international-beng.html

This program aims to train engineers who:

Possess a solid foundation in core engineering disciplines like mechanics, manufacturing, automation & robotics, and Industry 4.0.

Think interdisciplinarily to create innovative solutions combining various engineering fields.

Excel in practical applications of modern tools and technologies.

Are equipped to develop sustainable, forward-thinking solutions for industrial and environmental challenges.

Confidently work in international teams, leveraging strong intercultural communication skills.

Possess German language skills (level B2) at graduation.

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

Thelanguage of instructionisEnglish, ensuring accessibility for international students. With intensivemandatory German language coursesin 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 onlineDesigned for maximum flexibility and international accessibility, the program begins with anonline first semester, allowing students to start their studies from anywhere in the world. However, please note that theexams for the first semester are mandatory and must be taken on-siteat Hof University during the first two weeks of March. Taking these exams is required to progress to the second semester.

Semester 7: Internship in industryAmandatory internshipin the 7th semester allows you to gainhands-on experience in real-world environments.

The Bachelor's program in Engineering Science combines in-depth knowledge of fundamental engineering concepts with practice-oriented modules and application projects.

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

Semester 3 and 4: Specialization ICore specializations in Manufacturing Technologies, Mechanics, Electrical Systems, and elective business modules. International students receive mandatory German language training.

Semester 5 and 6: Specialization IISpecialization in advanced topics, including Production and Manufacturing Engineering, Mechanical and Design Engineering, Automation and Robotics, Logistics and Supply Chain Management, Business Administration and Management, and electives like AI, Smart Factories and Sustainable Manufacturing.

Semester 7: Internship semester and Bachelor's thesisA 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 Engineering Science B.Eng.

With this Bachelor’s program, you gain..

Deep expertise in core engineering disciplines, blending theory and practice,

Hands-on experience through cutting-edge labs, projects, and a practical phase,

A global perspective with courses designed for an international audience.

German language skills (level B2) at graduation

Graduates of the program will have:

Technical know-how: Profound knowledge of mechanics, electronics, and automation.

Practical competence: Experience with modern engineering tools like 3D CAD and simulation software.

Interdisciplinary thinking: The ability to solve problems by integrating different engineering disciplines.

Project management skills: Leadership skills for managing interdisciplinary teams and organizing complex technical projects.

Sustainability awareness: Knowledge to develop energy-efficient and environmentally friendly technologies.

Intercultural communication: Excellent language and teamwork skills for international environments, supported by language courses.

In addition, you benefit from:

A flexible start with the first semester available entirely online.

Language support to help you integrate into German academic and professional life.

Strong industry connections for internships, projects, and career opportunities.

As a graduate, you will…

Possess a broad range of interdisciplinary and practical expertise in engineering,

Be well-versed in sustainable and energy-efficient technologies,

Have the leadership skills to manage complex technical projects in global teams.

You are ready to work as

Mechanical Engineer– Developing and optimizing machines and systems.

Industrial Engineer- Enhancing production processes and operational efficiency.

Automation Specialist– Implementing state-of-the-art technologies in production.

Process Optimization Engineer– Improving efficiency and sustainability in industrial processes.

Automation Engineer– Advancing automation and robotics in industrial settings.

Project Manager in Engineering– Leading complex technical projects in diverse, international teams.

Research and Development Engineer– Driving innovation in fields like renewable energy and artificial intelligence.

With this versatile skillset, graduates have the opportunity to enter dynamic industries worldwide or pursue a Master's degree in specialized engineering fields.

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 checkuni-assistand theDAAD database

Language requirements

You need to prove yourproficiency 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 ouronline 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

touni-assistat least 4 weeks before our application deadline.

If you have any questions concerning the application process, please contactadmission(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!

Engineering Science (international)

Degree awarded

Department

Duration

Start

Application period

April 15 - May 31

Tuition fees

Language of instruction

Campus

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

Please contact our Welcome Center.

Head of Program

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Prof. Dr.-Ing. Paul Molenda

Campus Hof

Building C

Room C113

Thursday: 14:00 - 15:00Only by appointment and advance notification by e-mail