

Sustainable Engineering and Project Management (M.B.A. and Eng.) - Hof University — Hof University

Source: <https://www.hof-university.com/studying-at-hof-university/our-degree-programs/sustainable-engineering-and-project-management-mba-and-eng.html>

The Master's program prepares engineers for leadership roles in project management of complex issues at the interface of technology and sustainability in companies, research institutions, public administration and NGOs.

Graduates have a practice-oriented qualification in the field of technical project management, which is oriented towards the trends of sustainable technical development. Knowledge of classical and agile project management are your tools for an international engineering career.

With this Master's program, you gain

in-depth knowledge of sustainable engineering and
up-to-date tools in the field of project management combined with
practical relevance and meaningfulness and
German language skills of at least level B1 at graduation.

In addition, you benefit from

an innovative mix of teaching methods - virtual learning, blended learning, simulations and case studies

development of your intercultural competence

valuable work experience gained during the internship semesters

excellent career perspectives in various fields, e.g. environmental technology, sales, development or sustainability management

At Hof University Graduate School, all our programs are practice-oriented, interactive and multimedia-based. Teaching is based on application-oriented knowledge and is supported by projects with industry, site visits and interaction with experts. Case studies as well as real-life business examples contribute to profound insights into the theoretical knowledge.

Our professors (all with PhD) and lecturers are experts in their respective fields bringing together solid scientific understanding with valuable professional experience. Thus, the knowledge transfer from business life to the classroom is ensured.

In addition, we have a strong focus on career promoting activities for students (e.g. career talks, job fairs, seminars and trainings). A three-day team-building event is a highlight for our third and fourth semester students. It includes an industrial visit and is a great opportunity for students and professors to meet outside the campus. Through an intensive exchange of ideas and networking, a connection is established beyond the point of graduation.

The standard period of study is 4 semesters.

The first two semesters provide practice orientated theory (case studies, working in labs, excursions, expert meetings...).

The third and fourth semesters are spent as an internship in industry (e.g. in technical sales, technical purchasing or technical project management) in order to gain further practical experience. The Master's thesis must also be completed during this period.

The internship can also be completed at one of the university's own research institutes.

After successful completion of the program, Hof University awards the academic degree Master of Business Administration and Engineering (M.B.A. and Eng.).

Semester 1 and 2:

The Master's program contains 12 modules, 5 ECTS per module (4 basic modules + 8 core modules)

Basic modules (all mandatory):

Applied Economics and Intercultural Management

Project Management

German Language 1*

German Language 2*

* Mandatory with German levels of A1-B1 at the point of admission; different language course levels available depending on the student's German level at the beginning of their studies in Hof

Core modules (all mandatory):

Sustainability: Theoretical Background, Framework and Management

Life Cycle Sustainability Assessment

Sustainable Engineering

Project Planning, Controlling and Financing

Green Technologies and Innovations

Sustainability and Ecological Interrelationships

Stakeholder Management, Project Marketing and Change Management

Elective

Semester 3 and 4:

Internship

The 3rd and 4th semester are dedicated to an internship (30 ECTS) in a company and a practical Master's Thesis (30 ECTS). For entering the internship, all students have to prove at least the German language level B1.

The internship can also be completed at the university's own research facilities, the Institute for Sustainable Water Systems (inwa), the Institute for Hydrogen and Energy Technology (iwe) or the Institute for Circular Economy of Bio:Polymers (ibp).

Master's Thesis

Application of the methodological procedures, which were obtained and trained during the entire program.

The thesis should be written during the internship and should address a current issue related to the company's sustainability management.

Topic selection has to be done in accordance with the supervising professor.

Worldwide, the legal framework for achieving sustainability goals is only just being created.

Graduates of this Master's degree course work at the interface between sustainability, technology and project management and have excellent career prospects.

You are ready to work as

Engineer for environmental technology

Sales engineer

Development engineer

Production manager

Engineer in the water and energy sector

Sustainability manager

For an admission in this Master program, you need to fulfill the following admission criteria:

Academic requirements

A Bachelor's degree or similar from an accredited university in engineering sciences, at least 180 ECTS or equivalent (depending on the home country)

One year of work experience

Language requirements

Proficiency in English, proven by either TOEFL minimum 90 IELTS 6.5 or above PTE Academic (Pearson) 60 or above

TOEFL minimum 90

IELTS 6.5 or above

PTE Academic (Pearson) 60 or above

Basic language skills in German, proven by official test score documents (e.g. Goethe, telc, ÖSD) -minimum level A1 according to the CEFR (The Common European Framework of Reference for Languages).

By the beginning of the internship, all students have to prove that they are at a B1 German language level. The German language levels A2 and B1 can be reached during the studies in Hof.

For further information please check our application guide.

All applications must be done via our online application portal.

The application period for winter intake is between April 15 and May 31.

The application period for summer intake is between November 05 and November 30.

An admission committee intensively scrutinizes all applications and decides about final admission. Admission letters will be issued in June for winter intake and December for summer semester intake.

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

Internship

A unique feature of our M.B.A. and Eng. is that students spend the second year (third and fourth semester) doing a practical internship in industry (e.g. in project sales, purchasing or business development).

Also the Master thesis is project-based and done in cooperation with a company. Thus, you can immediately apply your knowledge, gain profound professional experience and earn money at the same time.

Sustainable Engineering and Project Management

Summer semester: Nov 05 - Nov 30

Winter semester: April 15 - May 31

Info and services

Sustainability research at Hof University

The topic of sustainability is particularly important at Hof University. During your studies, you will have the opportunity to work on our practical research on this topic in our research institutes on campus (e.g. as part of your Master's thesis or as a student assistant):

Institute for Sustainable Water Systems (inwa)

Institute for Hydrogen and Energy Technology (iwe)

Institute for Circular Economy of Bio:Polymers (ibp)

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 Graduate School team.

Opening hours Graduate School on campus (room A016):

Please contact our Welcome Center.

Head of Program

Program Management Graduate School

Student Affairs - Program Manager

Prof. Dr.-Ing. Christoph Koch

Thursday: 13:30 - 14:30

Shuyi Yang

Monday: 13:00 - 14:00 Thursday: 13:00 - 14:00 Friday: 9:00 - 10:00

Elisa Dähne