

Master in Composite Materials (M.Eng.) - Hof University — Hof University

Source: <https://www.hof-university.com/studying-at-hof-university/our-degree-programs/composite-materials-meng.html>

You already have a first degree in engineering and would like to acquire in-depth knowledge especially in the field of composite and hybrid materials as well as lightweight construction? Then the Master's program Composite Materials is just right for you.

Composite materials - so-called composites - are a modern class of materials tailored to specific applications where the combination of the positive properties of several base materials is required.

Many current developments in the area of sustainability and energy efficiency require new approaches in the field of materials and composites.

Specifically, graduates of the program will acquire the following skills, among others:

Competencies in the assessment and development of composites

Competencies in the field of technical fibers

Advanced knowledge in the field of surfaces and materials

Know how for problem solving and implementation in products of various industries

In the Master's program in Composite Materials, you will acquire professional competencies in the areas of:

Materials and properties

Composite structures

Surfaces and coatings

Technical fibers

as well as knowledge of the use and development of composite structures.

Semester 1:

Fundamentals of composites

Chemistry of composites

Mechanics of composites

Textile reinforcement structures

Characterization and testing of composites

Semester 2:

Composites with ceramic or metallic matrix (CMC, MMC and CCC)

Modern coating processes

PMCs (Polymer Matrix Composites)

Elective modules

Semester 3:

Master's thesis

Despite its focus on composites, the program is broadly based, prepares students for jobs in many areas and therefore offers very good prospects.

Our graduates work in research and development, production, quality assurance, academic institutions and research institutes - including the possibility of doctoral studies - , in technical marketing and in other areas. These are located in a wide variety of industries.

15.Jan - SuSe

15.Jul - WiSe

Info and services

Timetable

Here you find your timetable.

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

Head of Program

Student Affairs - Admission

Student Affairs - Program manager

Prof. Dr. Thomas Meins

Wednesday: 12:00 - 13:00

Kathrin Schötz

Elisa Dähne