

Innovative Textiles (B.Eng.) - Hof University — Hof University

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

The Bachelor's program Innovative Textiles is your entry into the fascinating world of textile chemistry and technical textiles. You will learn the basics of innovative textile material science and processing technologies. From fibres and yarns to fabrics and their finishing - our practice-oriented curriculum prepares you to master engineering challenges and optimize textiles considering economic and ecological aspects. You get trained in the development of technical fiber composites and in the research of modern textile chemistry to conquer the challenges of the modern textile industry and develop innovative solutions.

With this Bachelor's program, you

are prepared for complex engineering tasks in textile and related industries,

have gained valuable work experience during the internship semester,

have excellent career perspectives in research, development, production, and management.

In addition, you benefit from

an innovative mix of teaching methods - lectures, practical courses in labs and companies, simulations and case studies,

development of your intercultural competence,

an excellently equipped campus including an on-site research institute.

The lectures are accompanied by practical courses in which you can apply the knowledge you have learned directly on site in the laboratories and textile facilities.

The standard duration of this Bachelor's program is 7 semesters. For degree-seeking international students only 5 semesters (2.5 years) at Hof University are required, starting from semester 3 after studying two years at their home university.

■ Semester 1 und 2: Orientation phase

During the first two semesters, you will be taught the basics of textiles and engineering in German language.

For degree-seeking international students, the basic studies usually take place at the student's home university in their local language.

■ Semester 3 bis 6: Core phase

In the core phase, your knowledge of textiles is expanded step by step. You will learn the industrial production of yarns and textile fabrics (woven, weft-knitted, warp-knitted and nonwoven fabrics) as well as finishing techniques through dyeing, printing, and coating. In the advanced semesters, the focus is on textile chemistry and the production and application of technical textiles. All courses are taught in English language.

It is highly recommended for international students to take additional German language courses (available for free at different levels).

■ Semester 7: Practical phase

In your final semester, you will complete an internship at a company of your choice (including a practical research project) and write your Bachelor's thesis. This allows you to apply your knowledge immediately, specialize and gain your first professional experience.

After successful completion of the program, Hof University awards the academic degree Bachelor of Engineering (B.Eng.).

The following courses are part of the curriculum:

As a graduate, you...

are in high demand by industry and government, for a variety of careers in research, development, production, and management, both nationally and internationally

demonstrate productive engineering practices, entrepreneurial behavior, research and leadership competences

possess the technical, ethical and societal knowledge and skills required for success in the complex modern world.

Typical entry positions

Functions in the following areas: production, development, purchasing, sales, management in mostly globally oriented companies in the textile and clothing industry.

Professional focus also on technical textiles (e.g. fibre composites) & smart textiles

Sales & customer service (key account management), application technology in textile machine construction or chemical fibre production

Purchasing & sales in related industries e.g. the automotive industry

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 the websites of www.uni-assist.de and www.anabin.de

successful completion of relevant basic studies at home university

Language requirements International applicants usually start in the third semester (when the teaching language switches to English). In this case, you need to fulfill the following 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: Basic language skills in German, minimum level A1, proven by official test score documents.

All applications must be done via our online application portal Primuss.

If you acquired your university entrance certificate abroad, uni-assist must assess the 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.

Intensive support

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

Innovative Textiles

May 1 - July 15

Info and services

You are interested in applying but still have questions?

The campus Münchberg is located about 20 km south of our main campus. Here you will find a library, high-tech laboratories and our textile technical center.

More about Campus Münchberg

Hof University is part of several textile-related networks (e.g. TEGEWA e.V. or the Partnership for Sustainable Textiles). This is a unique opportunity for our students to establish business contacts with potential employees at an early stage, e.g. for internships and research topics for the Bachelor's thesis. Study excursions to innovative textile companies and trade fairs are a vital part of the Bachelor's program.

In addition, our campus locations Hof and Münchberg are important centers for textile and materials research.

Become a student assistant and work on exciting research projects during your studies!

Our campus locations Hof and Münchberg are important centers for textile and materials research. Our Institute for Materials Science (ifm) develops innovative and sustainable products and processes by using the core competencies of mechanical engineering, system materials, textile technology, composites, textile design, industrial and environmental engineering. This

interdisciplinary approach enables the creation of composites with improved qualities and special functionalities.

The Fraunhofer Application Center for Textile Fiber Ceramicstransfers textile processing techniques from conventional materials to ceramic, carbon and glass fibres in order to produce semi-finished textile products and end products. The TFK offers projects and services for the development of ceramic fiber composites along the entire process, from the fiber to the finished CMC component.

Isabell from Germany

How was your start at Hof University? „When taking up my studies at Hof and Münchberg, I was cordially welcomed as a new member of the university and textile family right away. The university teachers impart their knowledge particularly with regard to practical applications and are always here to offer their help and support.“

What do you like about the program? „The first year provides us with basic engineering and textile knowledge which is extended further in the following semesters, from then on in English. The combination of theoretical and practical knowledge along with various possibilities to establish a personal network makes me feel well prepared for my future workplace. Additional Master study programs such as Composite Materials or Sustainable Textiles are also offered at Hof University.“

What about the spirit among students? „Innovative Textiles is well known for its general spirit of co-working and support among its students who see themselves as team members, not rivals. The friendly atmosphere, low living expenses and having all local facilities nearby are definitely the main ace up the sleeve of the university location.“

Anything you want to shout out to future students? „You are interested in finding solutions for current issues like sustainability or want to plunge deeply into the manyfacetted world of technical textiles? Your new family is already waiting for you!“

“Studying at Munchberg was a blessing, the best decision in my career (educational-wise). Studying and learning from best Professors was an honour!“

Head of Program

Head of Examination Board

Student Affairs - Program Manager

Prof. Dr.-Ing. Claus-Ekkehard Koukal

By arrangement

Prof. Oliver Lottes

Tuesday: 13:00 - 14:00

Annalena Hüttner