



Hochschule Niederrhein
University of Applied Sciences

Textil- und
Bekleidungstechnik
Faculty of Textile
and Clothing Technology

Faculty of Textile and Clothing Technology Hochschule Niederrhein



Degree programmes

Contact

Textile and Clothing Technology

Bachelor's degree programmes

Bachelor students learn how to design, control and monitor the processes of the textile chain themselves. They acquire the skills that enable them to coordinate complex application fields. In addition to the textile and clothing industry, future employers can also be the automotive industry, the construction industry etc. After completing the seven-semester degree course, the graduates are entitled to start a Master's degree programme.

Textile and Clothing Technology (B.Sc.)

Fields of study:
// Textile technology with the areas of specialisation
Textile Management or Textile Technologies
// Clothing technology with the areas of specialisation
Clothing Management or Product Development

Textile and Clothing Technology Dual (B.Sc.)

Dual engineering training (for field of study and areas of specialisation see Textile and Clothing Technology)

Textile and Clothing Management (B.Sc.)

Taught in English

Design Engineering (B.Sc.)

Fields of study:
// Textile
// Fashion

Double degree possible with the Tianjin Polytechnical University in China (except students of the Design Engineering degree programme).

Master's degree programmes

Master students learn how to think analytically and in a networked way and also to approach complex questions in a systematic and scientific manner. After three semesters they graduate with a Master of Science degree. Graduates are entitled to start a doctoral degree programme.

Textile Products (M.Sc.)

Fields of study:
// Textiles
// Clothing
// Design

Management of Textile Trade and Technology (M.Sc.)

Fields of study taught in English:
// Technical Textiles
// Trade and Retail

Hochschule Niederrhein

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Faculty

The Faculty of Textile and Clothing Technology is the oldest faculty of the Hochschule Niederrhein in Mönchengladbach. It is one of the leading academic training establishments and can look back over a tradition that spans more than one hundred years. For this reason it has an unsurpassed level of textile competence. As the established faculty has undergone consistent further development, it has adapted to global challenges. The international orientation of the faculty is reflected in its range of available Bachelor's and Master's degree programmes in both German and English as well as the option of obtaining a German-Chinese double degree. This comprehensive range of degree programmes offers graduates a high level of flexibility and therefore a wide choice of additional options at home and abroad.

Philosophy

The faculty's mandate is to equip students with excellent professional know-how with a practical orientation at all stages of the textile chain. „From the fibre to the final product“ is our motto, meaning teaching and research from the raw fibre to the many different textile end products in the clothing textile, home and interior textiles as well as technical textiles sectors. In addition to the subjects related to design and technology, teamwork, problem solving and management competencies, interdisciplinarity as well as internationality are the core areas of the very varied degree programmes.

Hochschule Niederrhein

With more than 14,000 students, the Hochschule Niederrhein is one of the largest universities of applied sciences in Germany. Prospective students can choose from a range of more than 80 Bachelor's and Master's degree programmes in ten faculties. The Hochschule Niederrhein, founded in 1971 with roots reaching back into the 1850s, regards itself as a partner of the region. Since its inception it has made significant contributions to supplying regional businesses with qualified specialists and researching innovative solutions for the companies. Alongside teaching and studies, know-how transfer to regional and transregional businesses is an important performance dimension of the Hochschule Niederrhein.



Highlights

// COMPETITIONS, EXCURSIONS, PROJECTS

Students present their work to an international professional audience each year at a number of clothing and design competitions. They are often among the winners at these events that are assessed by a panel of renowned judges. Students are also able to get a feeling for the textile and clothing industry on a number of regularly organised excursions. A selection of current projects and work is shown online on the faculty's website.

// MG ZIEHT AN www.mgziehtan.de

The recruiting fair for the next textile generation is one of the leading fairs of its kind in Europe. Students and other interested groups can spend two days finding out more about traineeships and career opportunities in textile and clothing companies and make valuable contacts. An ancillary programme is also on offer with matching meetings, guided tours and a fashion show. With more than 100 national and international exhibitors as well as more than 7,000 visitors from the trade, the fair that is held every two years has become a firm fixture on the industry's calendar.

// MG OPEN SPACES

www.hs-niederrhein.de/mg-open-spaces

MG Open Spaces is an active conference method that has been on offer at the Hochschule Niederrhein every two years since 2012. The interdisciplinary exchange of information permits attendees to widen their horizons and raise awareness in other fields of knowledge. MG Open Spaces creates a platform that improves networking in the world of textiles. The exchange of knowledge and information extends the scope of activities and gives visitors from the industry the chance to get to know different fields and topics that they do not normally come in contact with and to use these for their own research purposes.

// INTERNATIONAL WEEK OF NARROW AND SMART TEXTILES

www.hs-niederrhein.de/narrow-textiles

The biennial International Week of Narrow and Smart Textiles is a platform offering a wide range of lectures, workshops, colloquia and a matchmaking event. Presentations showing the latest developments in industry, research and higher education will cover different aspects of technology, equipment, materials, applications and professional development in the narrow weaving, braiding and smart textiles sector. Meet the leading manufacturers of machines and fibres, researchers, partners, competitors and the people who are your future – our best students.



International projects/cooperation

Laboratories

Research

International students

Many textile and clothing companies operate on a global scale. People from different countries and cultures work together almost everywhere. Anyone who wants to understand global markets and communities must also demonstrate a global presence.

The Hochschule Niederrhein has international contacts and has evolved to suit the needs of a globalised world.

Fields of activity of the graduates

// Graduates have a wide range of career opportunities, for example in the various branches of the textile and clothing industry, the textile processing industry, the automotive industry as well as in the production of medical textiles and the construction industry.

// These fields of activity often include management posts in design, product development, purchasing, production, quality management, marketing, controlling and/or sales.

Student origins

In the winter semester 2017/18, around 2,000 students from 57 nations were enrolled at the Faculty of Textile and Clothing Technology. Most of the international students come from Bangladesh, Turkey, China and Pakistan as well as the Russian Federation. The international students profit from the opportunity of being able to study a complete Bachelor's or Master's degree programme in English at our faculty.

Practical semester abroad

Testing your personal skills and acquiring specialist know-how – a period of study abroad not only looks good in a job application but also widens your horizons. Special highlights are internships or a semester abroad in Bangladesh and a study semester in China. These are organised at our faculty by the Dean and the professors. In addition, there are special tutorials and advisory services available to the students.

Partners of the University

Internationality is a special hallmark of the Faculty of Textile and Clothing Technology. The Hochschule Niederrhein is partnered with a number of universities on all continents.

The faculty is proud to offer its students and project partners a number of laboratories and computer rooms with excellent facilities. This would not be possible without the close and active support of the industry. Due to many years of cooperation and partnerships with companies, the University's own laboratories focus on discussing and analysing practical problems from the industry. Collaboration and the know-how of companies on the one hand and the in-depth knowledge of the University on the other enable consistent, application-oriented science that resolutely and effectively develops new technologies.

The following diagram shows a selection of our laboratories.



Knitting Laboratory



Garment Production Technology Laboratory



Textile Printing Laboratory



Spinning Laboratory



Weaving and Fabric Laboratory



Textile Materials Laboratory



Chemistry Laboratory



Colour Measurement Laboratory

Institutions and Competence Centres

Networking means making and maintaining contacts to benefit from the advantages. The University maintains contact to former students, companies and associations via the Textile and Fashion Network (TFN). This is a win-win situation for all involved. The companies on the one hand profit from the knowledge transfer from the University, and on the other the University can make use of the direct line to the industry. The Faculty of Textile and Clothing Technology comprises the

Research Institute for Textile and Clothing (FTB), the Public Textile Testing Institute (ÖP), the Textile Fashion Institute (TFI) for further training, the Textile Logistics Centre* (in collaboration with the Fraunhofer Institute for Material Flow and Logistics) as well as the Textile Innovatorium*. Interdisciplinary cooperation projects are also organised through the eWeb Research Centre (eBusiness/eCommerce) and the EthNa Competence Centre CSR (sustainability/ethics).

Research Institute for Textile and Clothing (FTB)

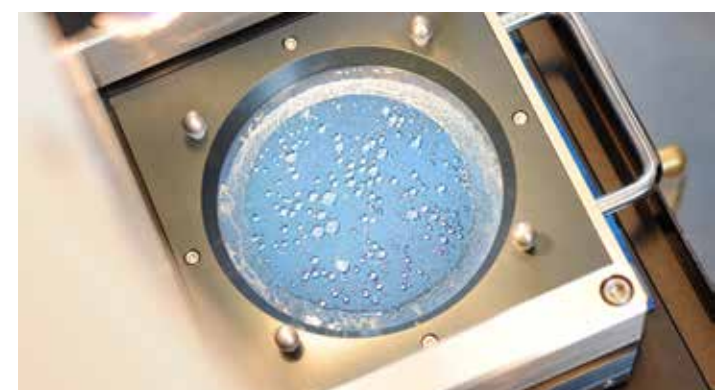
Our know-how - your future. The Research Institute for Textile and Clothing of the Hochschule Niederrhein (FTB) as an institute of the faculty is a powerful and versatile development partner for the textile and clothing industry at home and abroad. In this way the University is not only actively involved in imparting specialist textile knowledge, but also in gaining new insights.

// www.hs-niederrhein.de/ftb

Public Textile Testing Institute (ÖP)

The Public Testing Institute that is firmly integrated into on-going university life is unique in Europe. With its range of services the Hochschule Niederrhein has many years of testing experience for the industry, commerce and consumers that is held in high esteem in the professional world. As a neutral facility, this accredited institute of the Faculty of Textile and Clothing carries out material tests.

// www.oeprief-hsnr.de



* Currently in the start-up phase