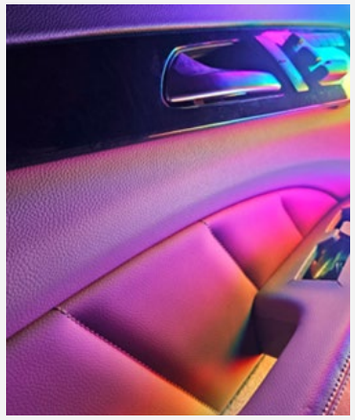
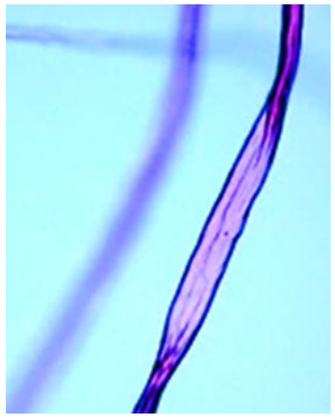
LEATHER AND TEXTILE ENGINEERING



Exploring new applications with revolutionary materials!

The leather and textile industries are exciting and rapidly growing sectors that are worldwide in demand. They offer a wide range of career opportunities both nationally and internationally. The increasing demand for sustainable materials and processes, as well as transparency in supply chains, is generating new opportunities in areas such as research, material and process development, production, and quality control.

Leather and Textile Engineering can only be studied in this combination at the “University of Applied Sciences Kaiserslautern”. Furthermore, an engineering degree in “Leather Processing and Shoe Technology” is unique in Germany as it can only be acquired in the Campus Pirmasens at the University of Applied Sciences Kaiserslautern.

- Degree with the professional **title of engineer (Bachelor of Engineering)**
- **Research and application-oriented** education
  - … in modern laboratories
  - … in small learning groups
  - … with individual support
  - … through strong international networking
- National and international **research projects**
- Opportunity of an **integrated semester abroad** at a European partner university
- **Direct career entry**
  - … with excellent job perspectives
  - … in a wide variety of industries worldwide
- Consecutive **master and doctorate**

Developing sustainable and high-performance materials!

Leather and Textile Engineering offers a research- and application-oriented education for students with an interest in materials science, chemistry, design, and production technology. As part of the training, excellent equipped laboratories are available for research and development.

Graduates have the practical and theoretical prerequisites for technical professions in the field of quality management, materials and product development. The broad-based degree program also qualifies students for research activities and a consecutive master’s degree program followed by a doctorate at the University of Applied Sciences Kaiserslautern as well as at other colleges and universities.





Contact

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Hochschule Kaiserslautern
University of Applied Sciences

LEATHER AND TEXTILE ENGINEERING

Basic theoretical and practical training in modern laboratories!

Already at the time of enrolment, students choose one of the two specializations of Textile Engineering or Leather Processing and Shoe Technology which can be changed until the end of the fourth semester.

This programme also offers the opportunity to study natural sciences and engineering modules, as well as the fundamentals of the leather and textile industries in German during the first two semesters. Subsequent semesters are more focused on the chosen specialization, with overlapping modules continuing to be taught together. The specific subject modules of both specializations will be taught common for all students in English to meet global requirements of these industries. Additionally, elective modules allow students to tailor their studies to their individual interests.

The practical and bachelor's theses can be written in German or in English. The choice is yours!

Module overview

Distinction between teaching language in semester 1 - 2

Bilingual Track	English Track
1 Semester	
Mathematik	Mathematics I
Statistik	Statics
Grundlagen der Ingenieurswissenschaften	Experimental Physics
Experimentelle Physik	Chemistry for Engineers
Grundlagen der allgemeinen und anorganischen Chemie	Programming Basics
Roh- und Hilfsstoffe - Leder und Texttil	
2 Semester	
Werkstofftechnik	Material Science
Technische Mechanik	Mechanics of Materials
Grundlagen der organischen Chemie	Business Administration for Engineers
Grundlagen der Textil- und Lederverarbeitung	Chemistry Laboratory
Grundpraktikum Chemie	Technical English - Leather and Textile
Technical English - Leather and Textile	

Distinction between specialisation in semester 3 - 6

Leather and Shoe Engineering	Textile Engineering
3 Semester	
Grundlagen der Digitalisierung	
Leather and Textile materials	
Manufacturing I - Shoes & Leather	Microscopy: Textile/Leather
Chemical material testing/Textile and Leather (Lecture)	Yarn manufacturing
Anatomy/Biomechanics	Textile Physical Material Testing, Modul I - Fibers, Yarns and Twists
Design Basics	Fundamentals of Weaving
4 Semester	
Quality management	
Manufacturing II - Shoes & Leather	Technical Textiles/Nonwovens
Shoe production with Internship	Textile Physical Material Testing, Modul II - Fabrics
Virtual Shoe Design	Textile finishing (Lecture & Laboratory)
Model Technology	Knitting/Warp knitting (Lecture)
5 Semester	
Sustainability in the Textile and Leather industry	
Methodical Process Planing - Shoes & Leather	Chemical Material Testing (Lecture & Laboratory)
CAD - Shoes & Leather	Knitting/Warp knitting/CAD (Laboratory)
Physical Material Testing - Shoes & Leather	Fiber Reinforced Polymers
Last development & Internship	Colorimetry
6 Semester	
Industrial Placement	
Industrial Placement - Colloquium	
Bachelor Thesis	
Bachelor Thesis - Colloquium	

"After graduating as a textile engineer, I completed a master's degree in textile engineering at the University of Boras in Sweden, where I am now also doing my doctorate. The very good practical training in Pirmasens had enormous advantages for me – also in international comparison with other students. "

– Sabrina Kopf, Graduate, PhD at the partner university "University of Boras" in Sweden

Hochschule Kaiserslautern
University of Applied Sciences