

Fachhochschule Kaiserslautern



The University of Applied Sciences in Kaiserslautern is a modern college of applied sciences and design. More than 5000 students and around 140 professors learn, teach and carry out research in five faculties at the campuses in Kaiserslautern, Pirmasens and Zweibrücken. Founded in 1996 as a spin-off from a department of the former Rhineland Palatinate University of Applied Sciences, the University, whose roots go back to the mid-19th century, used its independence to dedicate itself to its core tasks of degree-level teaching, advanced academic training and applied research and development with the associated transfer of technology, and to continue expanding its competitive position.

The courses offered cover the areas of natural and engineering sciences, design, economics, information and communication sciences. Practical applicability and innovation, interdisciplinary work and flexibility, internationality but above all also regional associations – these are the trademarks of the courses, which were quickly converted to modern degree courses as part of the Bologna process.

Research and development at Kaiserslautern University of Applied Sciences is largely oriented on applicability, and is carried out almost exclusively in cooperation with companies. In this context, the University is available as a partner especially to local businesses, where the supervision of student work in the companies means that very many people are actively involved in the transfer of knowledge and technology. Active cooperation with the knowledge transfer network t:win also opens up the potential of the other six universities of applied science in the Rhineland Palatinate.

A few years ago, the university set three applied focal points for its research: “**Integrated Miniaturised Systems**”, “**Reliable Software-Intensive Systems**” and “**Sustainable Products and Processes**”. The core competences of these focal points are microsystems technology (a modern clean room with several process lines facilitates the development of micro and nanoparts), materials mechanics (investigations into internal stress), the development of systems in which software is closely allied with technical or organisational components, and the area of sustainable building and design.

These focal points have led to the creation of certain facilities which are available to businesses as partners for assignments or joint projects. The three most recent are mentioned here; for all others, please refer to the website under the rubric Research. The **Bio Medical Engineering Competence Centre**, founded in 2008 with financial support from the state, is the facility housing the expertise of the professors involved in the new course on Applied Life Sciences. Synergies from the areas of microsystems technology and nanotechnology, medicine and biology open up completely new diagnostic approaches, therapies and simulation possibilities. The core competence of the **Institute of Sustainable Construction and Design** is the integrative, energetic and technical optimisation of architectural planning and execution processes, taking the life cycle of buildings into account. The **Instructional Design in Technology Competence Centre** focuses on the design and optimisation of the learn ability and operability of complex technical systems.

Kaiserslautern University of Applied Sciences facilitates the exchange of students and professors with approximately 50 partner colleges around the world, thus guaranteeing the internationality of its courses.



Buildings of the faculty of Construction and Design, Campus Kaiserslautern II

Contact



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Research Areas

- Micro- and Nanotechnologies
- Applied Life Sciences
- Materials
- Applied informatics
- Sustainable Construction and Design

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