

Department

The Department of Applied Logistics and Polymer Sciences offers a range of interdisciplinary courses of studies:

Bachelor's programs

- Applied Pharmacy
- Chemical Engineering
- Plastics-, Leather- and Textile-Engineering
- Logistics-Diagnostics and Design
- Logistics in Chemical and Pharma Industry
- Technical Logistics

Master's programs

- Logistics and Production Management
- Product Refinement

The Pirmasens campus of the Kaiserslautern University of Applied Sciences with its state-of-the-art technical facilities offers courses of study in line with future requirements and the prerequisites of the most important branches of industry. Life and study on campus has a personal character and there is close contact between students and staff.

We pride ourselves on courses that are geared towards landing you a job in your chosen career.

The University avails of numerous partnerships with both national and international institutions and enterprises which guarantee practice-orientated study courses and high academic quality.



University



The University of Applied Sciences Kaiserslautern sees itself as a modern university for applied sciences and design. Some 6000 students and around 150 members of professional teaching staff learn, teach and do research in the five faculties spread over the three campus locations of Kaiserslautern, Pirmasens and Zweibrücken.

The university avails of numerous partnerships with universities both within Germany and abroad and runs cooperation agreements with commercial enterprises all of which do not only ensure that a great range of international and practice-oriented courses can be offered, but also make it possible to guarantee a high level of scientific expertise.



**Hochschule
Kaiserslautern**
University of
Applied Sciences

Angewandte Logistik-
und Polymerwissenschaften
Pirmasens

ALP



Contact:

University of Applied Sciences Kaiserslautern | Pirmasens Campus
Department of Applied Logistics and Polymer Sciences
Carl-Schurz-Str. 10-16 | 66953 Pirmasens | Germany

Details regarding admission requirements, application and enrolment are available at admissions office (Studierendensekretariat)

Stefanie Staudter

Tel.: +49 631 3724-7010 | E-Mail: studsek-ps@hs-kl.de

and at our website at: www.hs-kl.de/bewerben

Questions regarding the PR-study course are to be directed to
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Further information regarding courses of study at the Department of Applied Logistics and Polymer Sciences is available at www.hs-kl.de/alp

www.hs-kl.de

Product Refinement Master of Science

www.hs-kl.de

Product Refinement

Master of Science

Product refinement is an engineering discipline dealing with the improvement of products in terms of durability, surface modifications, cleanability, and sustainability. Since products are expected to withstand increasing loads, durability aspects are gaining more importance.

Furthermore, physical interactions of products with the environment are performed through surface contacts. Surfaces can be modified in various ways to improve e.g. scratch resistance, adhesion, wettability, appearance, coatability, cleanability, etc.. Products and their components have to be cleaned during production and during use. Thus, they have to be designed for easy cleanability. Additionally, cleaning strategies have to be developed for certain materials, surfaces, and pollutants. Finally, products have to be packed to avoid damage during shipping. The proper packability of products is therefore a requirement concerning their design.

In general, product refinement can be applied to all kinds of products irrespective of the nature of their material. Due to the focus of the Department of Applied Logistics and Polymer Sciences on chemical, plastic, leather, and textile engineering, the Master program will primarily reflect materials consisting of natural or synthetic polymers such as plastics, textiles, and leather. Refined products are needed in all kinds of industries, such as the automobile, aircraft, sport and leisure industries etc.

“In Pirmasens, the working environment of professors and students is ideal – both in terms of numbers and the amicable surroundings.”

Christian Köhler, Pirmasens graduate



Study Program

In the “Product Refinement” program, which is unique worldwide, you will systematically gain technical expertise and develop your personal competences. You will become fully qualified and well prepared to adjust to the various requirements you will encounter in your future career.

Lectures, seminars, internships and excursions will provide you with a solid knowledge of technical processes, advanced sciences and also economic aspects. Some tasks can be solved by means of teamwork, cooperating together with your fellow students.

This Master program covers three semesters and can be commenced twice a year – in the winter semester and in the summer semester. In total, 90 credit points are to be collected. In addition to the 210 credit points attained from a seven-semester Bachelor degree program, 300 points can be achieved in total, which, in turn, qualifies a Master study course graduate for Ph.D. programs. It is possible for Bachelor graduates, who have only attained 180 points from a six-semester study course, to obtain a further 30 points by means of additional modules.

You can align your studies to your own needs and preferences by choosing two elective modules.

After completing the Master’s thesis in the third semester, you will receive the degree “Master of Science” enabling you to proceed to a Ph.D. program.

“The lectures are all state of the art. That means you are professionally prepared for your future career.”

Rudolf Dering, Pirmasens graduate



Entering the building you will be overwhelmed by a tropical surprise: This location is just right for breaks and relaxing before exams or just for chilling with coffee during free lessons.