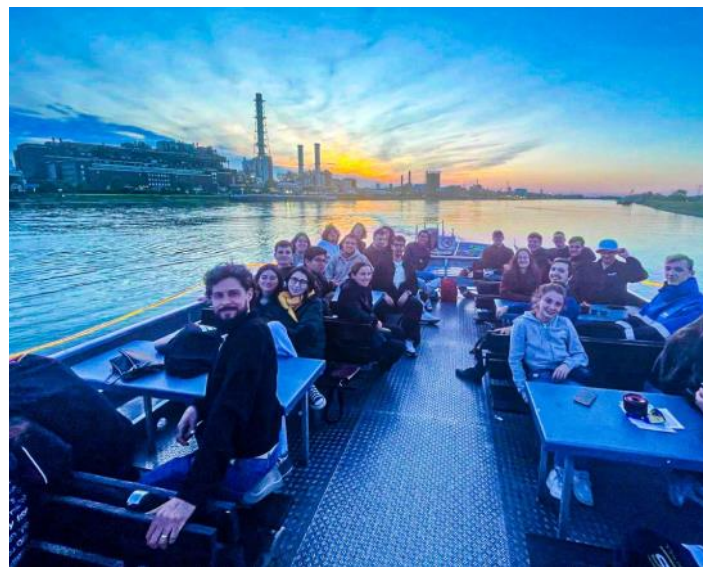


Kaiserslautern University of Applied Sciences is a modern University for Applied Sciences with five faculties on three campuses.

The **Faculty of Applied Engineering** offers Bachelor's and Master's programmes in Mechanical and Electrical Engineering and related topics. It is situated at the Kaiserslautern Campus.

Located close to the centre of the chemical industry in Germany, our university offers not only profound theory, but also numerous cooperative study programmes in close cooperation with leading companies in the industry - for a practical education and a good start to your professional future.



A group of participants of an Erasmus short mobility programme during a visit, the industrial landscape of the BASF in the background.

**Contact for consultation:**

[Professor Dr.-Ing. Victor López López](mailto:victor.lopez@hs-kl.de)

International Departmental Coordinator

[victor.lopez@hs-kl.de](mailto:victor.lopez@hs-kl.de)

**About the package**

- Entirely in English
- No tuition fee
- Affordable social fee
- International study environment
- Support for international students to have a good start with us



Contact your International Office to get nominated!

# Process Engineering

30 ECTS

Incoming Package for Exchange Students

Advanced Bachelor's or Master's Level

Winter Semester (October—January)



Hochschule Kaiserslautern  
Applied Engineering Sciences  
Campus Kaiserslautern  
Schoenstr. 11  
67659 Kaiserslautern  
[www.hs-kl.de](http://www.hs-kl.de)





10 ECTS

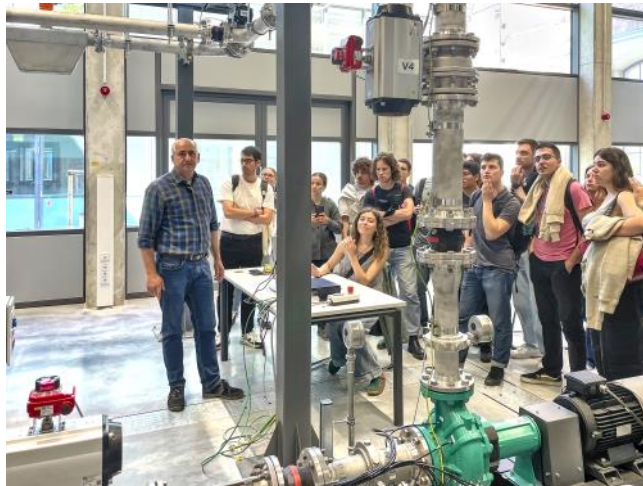
## Climate-Neutral Process Engineering

- principles and technologies involved in climate-neutral process engineering
- design and evaluation of processes for the recycling of materials
- chemical methods for utilising electricity in industrial processes
- heat pump technology and its application in thermal processes
- development of problem-solving skills to tackle complex engineering challenges
- application of theoretical knowledge to real-world scenarios in case studies and practical projects
- regulatory frameworks and economic factors influencing climate-neutral process engineering

10 ECTS

## Fluid mechanics: CFD and measurement techniques

- gain superior knowledge of fluid mechanics
- apply advanced simulations to solve complex problems
- know the chances and limitations of applying CFD
- automate workflows
- extract the main fluid mechanical questions to solve practical problems
- discuss, defend and develop ideas



The Fluid Mechanics laboratory



The new and modern laboratory buildings

10 ECTS

## Research and Development Module

- work in our state-of-the-art laboratories, newly built and opened in 2024
- for Process Engineering available labs e.g.
  - Chemistry
  - Thermodynamics
  - Thermal Separation
  - Fluid Dynamics
- Research topics available