

# Decarbonisation Strategies in Process Engineering

Blended Intensive Programme

Summer Semester 2025

Online Team Assignment:

24. Mar 2025 – 09. May 2025

Mobility Week:

12. May 2025 – 16. May 2025

Language: English

Awarded  
with  
3 ECTS

Nomination until 15.01.2025

## Assignment – Virtual Phase

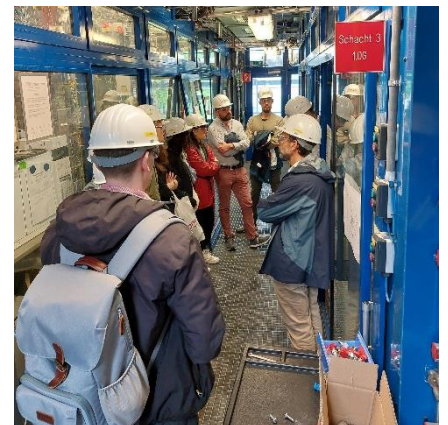
The process industry is one of the key industries in the implementation of the Green Deal. The high energy demand that their processes require and the associated CO<sub>2</sub> emissions make decarbonisation of these industries a major challenge. Participants will simulate and improve a process in international teams. The teamwork will take place via online tools using a process-simulation software.

## Mobility Week

Following the virtual phase, all participants will meet in person at our university in Kaiserslautern. Within five days spent together, the participants will present the results of their assignments and see the practical application of decarbonisation strategies by visiting global chemical companies in the region. Besides the industry, the region also has a lot to offer in terms of landscape and culture.

## Preliminary Programme Includes

- Industry visits at major chemical companies: BASF, Evonik etc.
- Lab day in our modern, state-of-the-art labs
- Keynotes
- Historical City Tours
- Outdoor Leisure Activities
- Social Events



Impression of 2023

# Participating Institutions

- Kaiserslautern University of Applied Sciences (organising and receiving institution)
- University of Valladolid
- Turku University of Applied Sciences
- University of Padova
- Universitat Politècnica de Catalunya · BarcelonaTech

## Who can apply?

Bachelor and Master students of Chemical or Process Engineering (or similar) with a good basic understanding of thermodynamics and distillation columns.

## How to apply

Please contact your local faculty or international office. Participants will be nominated by their home institution.

## Funding

Participants are expected to obtain Erasmus+ Mobility grants from their home institutions.

## Language

The language of the programme will be English. Recommended proficiency is B2.

## Accommodation

We have reserved an accommodation at a special student's budget price. In this hotel all our visiting participants can stay in the same place.

## Contact

### Content

**Professor Dr.-Ing. Victor López López**

Professor for Process Engineering,  
Department International Coordinator  
[victor.lopez@hs-kl.de](mailto:victor.lopez@hs-kl.de)  
Tel: +(49) 631 3724 2304

### Organisational Christiane Heine

[christiane.heine@hs-kl.de](mailto:christiane.heine@hs-kl.de)  
Tel: +(49) 631 3724 2264

Hochschule Kaiserslautern  
Schoenstraße 11  
67659 Kaiserslautern  
Germany

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## About us

Kaiserslautern University of Applied Sciences is a modern University for Applied Sciences and Design. Over 6,000 students and some 160 professors learn, teach, and research throughout five faculties at the Kaiserslautern Campus, the Pirmasens Campus, and the Zweibrücken Campus.

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



Funded by:



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