

Branch: Chemistry and chemical engineering



Code: CHEENG

Option: Chemical engineering

Level: Bachelor

Prerequisites: Scientific baccalaureate or equivalent

Opportunities:

INDUSTRIAL PERSPECTIVES (not limited to):

- Petrochemical industry
- Fine and specialty chemicals
- Basic chemicals
- Pharmaceutical industry
- Wastewater management
- Additive manufacturing
- Data engineering

Description

The new joint programme will be the first and only course in Uut to equip aspiring chemical engineers with the relevant skills of Chemical Industry 4.0, which aims to manufacture products through smart processes. These skills include digital value chain integration, seamless asset lifecycle management, and enterprise-to-plant production control. Students in the Additive Manufacturing specialisation learn the design, formulation and engineering principles of 3D printing.

Specific competences:

This new program therefore trains future chemical engineers to integrate digital systems with intelligent or additive manufacturing seamlessly and efficiently.

Quality and competences:

The Bachelor of Engineering with Specialization in Chemical Engineering is a four-year program. This joint degree equips students with relevant Industry 4.0 skills to thrive in the local and global chemical industry.