

## **Process Engineering (B. Eng.)**

Basic mathematics and science: (mathematics I & II, materials science, computer science) and basic engineering (mechanics I & II, construction design and CAD basics, thermodynamics I, electrical engineering).

The advanced stage focuses on process engineering fundamentals (physics, chemistry I & II, thermodynamics of phase equilibrium, thermodynamics/heat transfer, fluid mechanics) and process engineering applications (thermal process engineering, mechanical process engineering, chemical process engineering, apparatus engineering, plant engineering, control engineering, and computer-aided engineering in process engineering).

Two further elective modules can be chosen during the advanced stage.

Most of the modules mentioned are supported by comprehensive laboratory tasks.

Interdisciplinary modules (English I & II, seminars in economics, organization, and technical documentation) are included over the course of study every semester.

An industrial placement (12 weeks), a project assignment (180 h), and an application-oriented thesis (3 months) are designed to develop the skills and problem-solving abilities of process engineering.