

Process Engineering (B. Eng.)

Basic mathematics and science: (mathematics I & II, physics, chemistry and materials science I, computing) and basic engineering (mechanics I & II, design and CAD basics, materials science II, thermodynamics I, fluid mechanics, electrical engineering, automation engineering I).

The advanced stage focuses on process engineering fundamentals (chemistry II, thermodynamics of phase equilibrium, thermodynamics/heat transfer) and process engineering applications (thermal process engineering, mechanical process engineering, chemical and bioprocess engineering, apparatus engineering, plant engineering, automation engineering II, fluid machines and computer aided engineering in process engineering).

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

Interdisciplinary modules (English I & II, introduction to business administration and to business organisation and business contracts, seminar in economics) are included.

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.