

1. Semester	2. Semester	3. Semester	4. Semester
Chemical Engineering Seminar & Skills (8 credits)		Lab Training in Chemical Engineering (8 credits)	Master Thesis (30 credits)
Energy Process Engineering (8 credits)	Applications in Particle Technology (4 credits)		
	Heterogeneous Catalysis in Chemical Process Engineering (5 credits)		
Computational Process Engineering (5 credits)	Deutsch A1/2. Semester (4 credits)	Elective Modules Semester 3	
Advanced Thermal Separation Technology (5 credits)	Elective Modules Semester 2		
Deutsch A1/1. Semester (4 credits)			
Free elective Modules (6 credits)			

Legende:

 Mandatory modules

 Elective Modules

 Free elective Modules

Elective Modules Semester 2: Process Chain Simulation (5 credits); Advanced Reaction Engineering (6 credits); Technology Assessment (5 credits); Sustainable Fuels (5 credits); Modeling of Interphase Phenomena (5 credits).

Elective Modules Semester 3: Optical Measurement Techniques for Process Engineering (5 credits); Modeling and Optimization of Chemical Reactors (5 credits); Conception of Process Equipment (5 credits); Resource's Process Engineering without Lab Course (6 credits); Selective Separation of Strategic Elements (5 credits); Process Analysis (6 credits); Recycling – Secondary Raw Materials (6 credits); Plant Design (4 credits); Chemical Processes (5 credits); Thermochemical Conversion and Chemical Recycling (5 credits); Environmental Engineering without Lab Course (6 credits).