Course of Study Process Engineering (Study Cohort w23)

			_		e Qualification Compulsory	Specialisation Compul		Focus Compulsory	Thesis Compulsory
mple course plan B Master Process Engineeri	ing (VTMS)			Cor	e Qualification Elective Compulsory	Specialisation Elective	Compulsory	Focus Elective Compulsory	Interdisciplinary complemen
ecialisation Chemical Process Engineering									
Particle Technology and Solid Matter Process Technology		Advanced Chemical Reaction Engineering		Process Design Project			Master The	esis	
Advanced Particle Technology II	VL 2	Chemical Reaction Engineering	VL 2	Process Design Project		PK 6			
Advanced Particle Technology II	PBL 1	Chemical Reaction Engineering	HÜ 2						
Experimental Course Particle Technology	PR 3	Experimental Course Chemical Engineering	PR 2						
Transport Processes		Bioprocess and Biosystems Engineering		Applied Thermodynamics: Therr					
Heat & Mass Transfer in Process Engineering	VL 2	Bioprocess and Biosystems Engineering Bioreactor Design and Operation	VL 2	Applied Thermodynamics: Thermo		VL 4			
Multiphase Flows	VL 2	Biosystems Engineering	VL 2	Applications	manne Properties for masserar	**			
Reactor Design Using Local Transport Processes	PBL 2	Bioreactors and Biosystems Engineering	PBL 1	Applied Thermodynamics: Thermodynamics	ynamic Properties for Industrial	GÜ 2			
				Applications					
Process and Plant Engineering II		Heterogeneous Catalysis		Synthesis and Design of Industr					
Process and Plant Engineering II Process and Plant Engineering II	VL 2 HŪ 2	Analysis and Design of Heterogeneous Catalytic Reactors Modern Methods in Heterogeneous Catalysis	VL 2 VL 2	Synthesis and Design of Industrial F Industrial Plant Design and Economi		VL 1 PBL 3			
in the case and make Engineering in	110 2	Modern Methods in Heterogeneous Catalysis	PBL 2	muustriai riiant Designi anu Economi	G.	TDE 3			
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Fluid Mechanics in Process Engineering		Process Simulation and Process Safety		Examples in Solid Process Engin	eering				
Fluid Mechanics II Applications of Fluid Mechanics in Process Engineering	VL 2 HŪ 2	CAPE with Computer Exercises Methods of Process Safety and Dangerous Substances	IV 3 VL 2	Fluidization Technology Technical Applications of Particle Te	chnology	VL 2 VL 2			
Applications of Fluid Mechanics in Flocess Engineering	HO 2	methods of Frocess Safety and Dangerous Substances	VL 2	Practical Course Fluidization Techno		PR 1			
				Exercises in Fluidization Technology		GÜ 1			
				Research Project Process Engine	ering				
				Research Project in Process Enginee	ring	PBL 6			
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Business & Management (from catalogue) - 6LP									
Non-technical Courses for Master (from catalogue)	- 61 P						1		

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.