Course of Study Process Engineering (Study Cohort w24)

_				Core Qualification Compulsory	Specialisation Compu		Focus Compulsory	Thesis Compulsory
ple course plan B Master Process Engineer	ng (VTMS)			Core Qualification Elective Compulso	ry Specialisation Elective	e Compulsory	Focus Elective Compulsory	Interdisciplinary compleme
cialisation Chemical Process Engineering								
Particle Technology and Solid Matter Process Technology		Advanced Chemical Reaction Engineering		Process Design Project		Master The	sis	
Advanced Particle Technology II	VL 2	Chemical Reaction Engineering	VL 2	Process Design Project	PK 6	riuseer riie		
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: Thermodynamic Properties for Indu				
Heat & Mass Transfer in Process Engineering	VL 2 VL 2	Bioreactor Design and Operation	VL 2 VL 2	Applied Thermodynamics: Thermodynamic Properties for Industrial Applications	VL 4			
Multiphase Flows Reactor design under consideration of local transport processes	VL 2 PBL 2	Biosystems Engineering Bioreactors and Biosystems Engineering	PBL 1	Applied Thermodynamics: Thermodynamic Properties for Industrial	GÜ 2			
necessity and execution of ocal datapolic processes	T DE Z	Societies and biosystems Engineering	100 1	Applications				
Fluid Mechanics in Process Engineering		Heterogeneous Catalysis		Synthesis and Design of Industrial Processes				
Fluid Mechanics II	VL 2	Analysis and Design of Heterogeneous Catalytic Reactors	VL 2	Synthesis and Design of Industrial Facilities	VL 1			
Applications of Fluid Mechanics in Process Engineering	HÜ 2	Modern Methods in Heterogeneous Catalysis	VL 2	Industrial Plant Design and Economics	PBL 3			
		Modern Methods in Heterogeneous Catalysis	PBL 2					
Process modeling and control		Process Simulation and Process Safety		Examples in Solid Process Engineering				
Process modeling and control	VL 2	CAPE with Computer Exercises	IV 3	Fluidization Technology	VL 2			
Process modeling and control	GÜ 3	Methods of Process Safety and Dangerous Substances	VL 2	Technical Applications of Particle Technology	VL 2			
				Practical Course Fluidization Technology	PR 1			
				Exercises in Fluidization Technology	GÜ 1			
				Parameter Parameter Francisco				
				Research Project Process Engineering Research Project in Process Engineering	PBL 6			
				The section of the se	152 0			
Business & Management (from catalogue) - 6LP								

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