**Course of Study Process Engineering (Study Cohort w20)** 

	· · · () (TMC)				sation Compulsory Specialisation Compulsory Specialisation Electron		Focus Compulsory  Focus Elective Compulsory	Thesis Compulsory
nple course plan B Master Process Engineer	ing (VIMS)			Core Qualific	sation Elective Compulsory Specialisation Elect	ve Compulsory	Focus Elective Compulsory	Interdisciplinary complemen
cialisation Chemical Process Engineering								
Particle Technology and Solid Matter Process Technology		Advanced Chemical Reaction Engineering		Process Design Project		Master Th	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  Heat & Mass Transfer in Process Engineering	VL 2	Bioprocess and Biosystems Engineering Bioreactor Design and Operation	VL 2	Applied Thermodynamics: Thermodynam Applied Thermodynamics: Thermodynamic Pr				
Multiphase Flows	VL 2	Biosystems Engineering	VL 2 VL 2	Applied Thermodynamics: Thermodynamic Pr Applications	operties for industrial VL 4			
Reactor Design Using Local Transport Processes	PBL 2	Bioreactors and Biosystems Engineering	PBL 1	Applied Thermodynamics: Thermodynamic Pr	roperties for Industrial GÜ 2			
				Applications				
Process and Plant Engineering II		Computer Aided Process Engineering (CAPE)		Synthesis and Design of Industrial Proce				
Process and Plant Engineering II	VL 2	CAPE with Computer Exercises	VL 2	Synthesis and Design of Industrial Facilities	VL 1			
Process and Plant Engineering II  Process and Plant Engineering II	HŪ 1 GÜ 1	Methods of Process Safety and Dangerous Substances	VL 2	Industrial Plant Design and Economics	PBL 3			
Trocess and Flance Engineering in	GU I							
7								
3								
Fluid Mechanics in Process Engineering		Heterogeneous Catalysis		Examples in Solid Process Engineering				
Fluid Mechanics II	VL 2	Analysis and Design of Heterogeneous Catalytic Reactors	VL 2	Fluidization Technology	VL 2			
Applications of Fluid Mechanics in Process Engineering	HÜ 2	Modern Methods in Heterogeneous Catalysis	VL 2	Technical Applications of Particle Technology				
		Modern Methods in Heterogeneous Catalysis	PR 2	Practical Course Fluidization Technology	PR 1			
				Exercises in Fluidization Technology	GÜ 1			
				Research Project Process Engineering				
				Research Project in Process Engineering	PBL 6			
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.