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

				-	Core Qualification Compulsory	Specialisation Compul		Focus Compulsory	Thesis Compulsory
mple course plan C Master Process Engineer					Core Qualification Elective Compulso	Specialisation Elective	Compulsory	Focus Elective Compulsory	Interdisciplinary complemen
ecialisation Environmental Process Engineeri	ng								
Particle Technology and Solid Matter Process Technology		Advanced Chemical Reaction Engineering		Process Design Project			Master The	tie	
Advanced Particle Technology II	VL 2	Chemical Reaction Engineering	VL 2	Process Design Project		PK 6	riuster riie	313	
Advanced Particle Technology II  Experimental Course Particle Technology  Experimental Course Particle Technology	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		Process Modeling in Water		PBL 2			
Heat & Mass Transfer in Process Engineering  Multiphase Flows	VL 2 VL 2	Bioreactor Design and Operation Biosystems Engineering	VL 2 VL 2	Process Modeling in Drinking \ Process Modelling of Wastewa		PBL 2 PBL 2			
Reactor Design Using Local Transport Processes	PBL 2	Bioreactors and Biosystems Engineering	PBL 1	1 Tocass Modelling of Wastewa	ter recentific	100 2			
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2									
Process and Plant Engineering II		System Aspects of Renewable Energies		Aquatic Chemistry					
Process and Plant Engineering II	VL 2	Energy Trading	VL 1	Chemistry of Drinking Water T		VL 2			
Process and Plant Engineering II Process and Plant Engineering II	HŪ 1 GÜ 1	Energy Trading  Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production	GÜ 1 on VL 2	Chemistry of Drinking Water T Practical Course Aquatic Chen		HŪ 1 PR 4			
Process and Plant Engineering II	GU I	and Storage	on VL 2	Practical Course Aquatic Chen	listry	PK 4			
		Deep Geothermal Energy	VL 2						
7									
8									
Fluid Mechanics in Process Engineering		Computer Aided Process Engineering (CAPE)		Wastewater Treatment and	Air Pollution Abatement				
Fluid Mechanics II	VL 2	CAPE with Computer Exercises	VL 2	Air Pollution Abatement		VL 2			
Applications of Fluid Mechanics in Process Engineering	HÜ 2	Methods of Process Safety and Dangerous Substances	VL 2	Biological Wastewater Treatm	ent	VL 2			
2									
3									
4									
5				Research Project Process E	ngineering				
5				Research Project in Process En	gineering	PBL 6			
7									
3									
9									
Business & Management (from catalogue) - 6LP									
Non-technical Courses for Master (from catalogue)	CLD								

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