Course of Study Process Engineering (Study Cohort w23)

-				_	Core Qualification Compulsory Specialisation Comp	ouisory	Focus Compulsory	Thesis Compulsory
imple course plan D Master Process Enginee	ring (VTMS)				Core Qualification Elective Compulsory Specialisation Electi	ve Compulsory	Focus Elective Compulsory	Interdisciplinary complement
ecialisation Process Engineering								
Particle Technology and Solid Matter Process Technology Advanced Particle Technology II	VL 2	Advanced Chemical Reaction Engineering Chemical Reaction Engineering	VL 2	Process Design Project Process Design Project	PK 6	Master Th	esis	
Advanced Particle Technology II Advanced Particle Technology II	PBL 1	Chemical Reaction Engineering Chemical Reaction Engineering	VL 2 HÜ 2	Process Design Project	PK 6			
Experimental Course Particle Technology	PR 3	Experimental Course Chemical Engineering	PR 2					
		,						
Transport Processes		Bioprocess and Biosystems Engineering		Separation Technologies fo	r Life Sciences			
Heat & Mass Transfer in Process Engineering	VL 2	Bioreactor Design and Operation	VL 2	Chromatographic Separation Pr				
Multiphase Flows	VL 2	Biosystems Engineering	VL 2	Unit Operations for Bio-Related				
Neactor Design Osing Local Harisport Frocesses	PBL 2	Bioreactors and Biosystems Engineering	PBL 1	Unit Operations for Bio-Related	Systems PBL 2			
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3 Process and Plant Engineering II		Applied optimization in energy and process engineering		Process Modeling in Water	Technology			
4 Process and Plant Engineering II	VL 2	Applied optimization in energy and process engineering	IV 2	Process Modeling in Drinking W				
Process and Plant Engineering II	HŪ 2	Applied optimization in energy and process engineering	GÜ 2	Process Modelling of Wastewat	ter Treatment PBL 2			
5								
6								
7								
8								
9 Fluid Mechanics in Process Engineering		Process Simulation and Process Safety		Synthesis and Design of Inc	Austrial Processes			
0 Fluid Mechanics II	VL 2	CAPE with Computer Exercises	IV 3	Synthesis and Design of Indust				
Applications of Fluid Mechanics in Process Engineering	HŪ 2	Methods of Process Safety and Dangerous Substances	VL 2	Industrial Plant Design and Eco				
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Business & Management (from catalogue) - 6LP								
Non-technical Courses for Master (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.