Course of Study Process Engineering (Study Cohort w19)

Form Hrs/wk VL 2 PBL 1 PR 3	Semester 2 Advanced Chemical Reaction Engineering Chemical Reaction Engineering Chemical Reaction Engineering Experimental Course Chemical Engineering	Form Hrs/wk VL 2 HÜ 2 PR 2	Core Qualification Elective Compulsory Semester 3 Process Design Project Process Design Project	Form Hrs/wk PK 6	Semester 4 Master Thesis	Interdisciplinary complement Form Hrs/
VL 2 PBL 1	Advanced Chemical Reaction Engineering Chemical Reaction Engineering Chemical Reaction Engineering	VL 2 HÜ 2	Process Design Project			Form Hrs/
PBL 1	Chemical Reaction Engineering Chemical Reaction Engineering	HÜ 2		PK 6	Master Thesis	
VL 2 VL 2 PBL 2	Bioprocess and Biosystems Engineering Bioreactor Design and Operation Biosystems Engineering Bioreactors and Biosystems Engineering	VL 2 VL 2 PBL 1	Applied Thermodynamics: Thermodynamic Properties for Industrial Applications	rial Applications VL 4 GÜ 2		
VL 2 HÜ 1 GÜ 1	Computer Aided Process Engineering (CAPE) CAPE with Computer Exercises Methods of Process Safety and Dangerous Substances	VL 2 VL 2	Synthesis and Design of Industrial Processes Synthesis and Design of Industrial Facilities Industrial Plant Design and Economics	VL 1 PBL 3		
VL 2 HÜ 2	Heterogeneous Catalysis Analysis and Design of Heterogeneous Catalytic Reactors Modern Methods in Heterogeneous Catalysis Modern Methods in Heterogeneous Catalysis	VL 2 VL 2 PR 2	Examples in Solid Process Engineering Fluidization Technology Technical Applications of Particle Technology Practical Course Fluidization Technology Exercises in Fluidization Technology	VL 2 VL 2 PR 1 GÛ 1		
			Research Project Process Engineering Research Project in Process Engineering	PBL 6		
	VL 2 PBL 2 VL 2 HÜ 1 GÜ 1	VL 2 PBL 2 Biosystems Engineering Bioreactors and Biosystems Engineering VL 2 HÜ 1 GÜ 1 Wethods of Process Safety and Dangerous Substances WETT SAME Analysis and Design of Heterogeneous Catalytic Reactors Modern Methods in Heterogeneous Catalysis Modern Methods in Heterogeneous Catalysis	VL 2 VL 2 Blosystems Engineering VL 2 Bloreactor Sand Blosystems Engineering VL 2 Bloreactors and Blosystems Engineering VL 2 Bloreactors and Blosystems Engineering (CAPE) VL 2 HÜ 1 GÜ 1 Wethods of Process Safety and Dangerous Substances VL 2 Wethods of Process Safety and Dangerous Substances VL 2 Wethods of Process Safety and Dangerous Substances VL 2 Wethods of Process Safety and Dangerous Substances VL 2 Wodern Methods in Heterogeneous Catalytic Reactors VL 2 Modern Methods in Heterogeneous Catalysis VL 2 Modern Methods in Heterogeneous Catalysis PR 2	VL 2 Bloreactor Design and Operation VL 2 Blosystems Engineering VL 2 Blosystems Engineering VL 2 Blosystems Engineering VL 2 Bloreactors and Blosystems Engineering VL 2 Bloreactors and Blosystems Engineering PBL 1 Applications Applications VL 2 Bloreactors and Blosystems Engineering (CAPE) Applications VL 2 CAPE with Computer Exercises VL 2 Synthesis and Design of Industrial Processes Safety and Dangerous Substances VL 2 Industrial Plant Design and Economics VL 2 Analysis and Design of Industrial Facilities Industrial Plant Design and Economics VL 2 Analysis and Design of Industrial Processes Industrial Plant Design and Economics VL 2 Analysis and Design of Industrial Processes Industrial Plant Design and Economics VL 2 Analysis and Design of Industrial Processes Industrial Plant Design and Economics VL 2 Analysis and Design of Industrial Processes Industrial Plant Design and Economics VL 2 Analysis and Design of Industrial Processes Industrial Plant Design and Economics Fluidization Technology Exercises in Fluidization Technology Exercises in Fluidization Technology Research Project In Process Engineering Research Project In Process Engineering	VL 2 Biosystems Engineering VL 2 Biosystems Engineering VL 2 Applications VL 1 Industrial Processes VL 2 Synthesis and Design of Industrial Processes VL 1 Industrial Plant Design and Economics VL 1 Industrial Plant Design and Economics VL 2 Modern Methods in Heterogeneous Catalysis VL 2 Modern Methods in Heterogeneous Catalysis PR 2 Practical Course Fluidization Technology VL 2 Exercises In Fluidization Technology Gi 1 Exercises In Fluidization Technology Gi 1 Exercises In Fluidization Technology Research Project in Process Engineering Research Project in Process Engineering PBL 6	VL 2 Bloosetor Design and Operation VI 2 Blooystems Engineering VI 2 Applications Applications Applications Applications Applications VI 2 Applications Applications VI 2 Applications Applications VI 2 Industrial Processes Subtract Process Safety and Dangerous Substances VI 2 Industrial Processes Pagineering VI 2 Analysis and Design of Industrial Processes Engineering VI 2 Process Engineering VI 2 Process Engineering VI 2 Process Engineering VI 2 Processes Engineering PR 1 Exercises in Fluidization Technology VI 2 Processes Engineering PR 2 Processes Engineerin

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