Course of Study Bioprocess Engineering (Study Cohort w20) Security Company Specialisation Computory Specialisation Compu

ample course plan B Master Bioprocess Er	S)		Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Interdisciplinary complement			
gecialisation B - Industrial Bioprocess Engi	neering					
Transport Processes		Advanced Chemical Reaction Engineering		Process Design Project		Industrial Bioprocess Engineering (part 2)
Heat & Mass Transfer in Process Engineering	VL 2	Chemical Reaction Engineering	VL 2	Process Design Project	PK 6	Biotechnical Processes PBL 2
Multiphase Flows Reactor Design Using Local Transport Processes	VL 2 PBL 2	Chemical Reaction Engineering Experimental Course Chemical Engineering	HÜ 2 PR 2			Development of bioprocess engineering processes in industrial practice SE
Reactor Design Using Local Harisport Processes	FBL 2	experimental Course Chemical Engineering	FR 2			
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	VL 2	Bioprocess and Biosystems Engineering Bioreactor Design and Operation	VL 2	Bioprocess Engineering Advanced Practical Course Advanced Practical Course in Microbiology	PR 3	Master Thesis
Process and Plant Engineering II	HÜ 1	Biosystems Engineering	VL 2	Bioprocess Engineering Advanced Practical Course	PR 3	
Process and Plant Engineering II	GÜ 1	Bioreactors and Biosystems Engineering	PBL 1			
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Separation Technologies for Life Sciences		Technical Microbiology		Synthesis and Design of Industrial Processes		
14 Chromatographic Separation Processes	VL 2	Applied Molecular Biology	VL 2	Synthesis and Design of Industrial Facilities	VL 1	
Unit Operations for Bio-Related Systems	VL 2	Technical Microbiology	VL 2	Industrial Plant Design and Economics	PBL 3	
Unit Operations for Bio-Related Systems 16	PBL 2	Technical Microbiology	HÜ 1			
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19 Biocatalysis		Cell and Tissue Engineering		Industrial Bioprocess Engineering		
20 Technical Biocatalysis Biocatalysis and Enzyme Technology	VL 2 VL 2	Fundamentals of Cell and Tissue Engineering Bioprocess Engineering for Medical Applications	VL 2 VL 2	Biotechnical Processes Development of bioprocess engineering processes in industrial practice	PBL 2 SE 2	
21	VL 2	bioprocess Engineering for Medical Applications	VL 2	Development of bioprocess engineering processes in industrial practice	JL 2	
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25				Study work Bioprocess Engineering		
26				Study Work Bioprocess Engineering	PR 6	
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Business & Management (from catalogue) - 6L	D					
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Non-technical Courses for Master (from catalo	gue) - 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.