Course of Study Bioprocess Engineering (Study Cohort w20) Core Qualification Compulsory Specialisation Compulsory Special

imple course plan A Master Bioprocess I)		Core Qualification Elective Compulsory Speciali		
ecialisation A - General Bioprocess Engi	neering					
Transport Processes Heat & Mass Transfer in Process Engineering Multiphase Flows Reactor Design Using Local Transport Processes	VL 2 VL 2 PBL 2	Advanced Chemical Reaction Engineering Chemical Reaction Engineering Chemical Reaction Engineering Experimental Course Chemical Engineering	VL 2 HÜ 2 PR 2	Process Design Project Process Design Project PK	ζ 6	Dimensioning and Assessment of Renewable Energy Systems (part 2) Heat Provision from Renewable Sources of Energy SE 2 Master Thesis
Process and Plant Engineering II Process and Plant Engineering II Process and Plant Engineering II 0	VL 2 HÜ 1 GÜ 1	Bioprocess and Biosystems Engineering Bioreactor Design and Operation Biosystems Engineering Bioreactors and Biosystems Engineering	VL 2 VL 2 PBL 1	Bioprocess Engineering Advanced Practical Course Advanced Practical Course in Microbiology PR Bioprocess Engineering Advanced Practical Course PR		
2 Separation Technologies for Life Sciences		Tabeled Weeklehoo				
Separation Technologies for Life Sciences Chromatographic Separation Processes Unit Operations for Bio-Related Systems Unit Operations for Bio-Related Systems 6 7 8	VL 2 VL 2 PBL 2	Technical Microbiology Applied Molecular Biology Technical Microbiology Technical Microbiology	VL 2 VL 2 HÜ 1	Particle Technology and Solid Matter Process Technology Advanced Particle Technology II PBI Experimental Course Particle Technology PR	L 1	
9 Biocatalysis 1 Technical Biocatalysis Biocatalysis and Enzyme Technology 2 3 4	VL 2 VL 2	Cell and Tissue Engineering Fundamentals of Cell and Tissue Engineering Bioprocess Engineering for Medical Applications	VL 2 VL 2	Study Work Bioprocess Engineering Study Work Bioprocess Engineering PR	₹ 6	
5 6 7 8 9				Dimensioning and Assessment of Renewable Energy Systems (part 1) Electricity Generation from Renewable Sources of Energy SE Environmental Technology and Energy Economics PBI		
0 1 2 Business & Management (from catalogue) -	6LP					
Non-technical Courses for Master (from catalogue)						

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