Course of Study Bioprocess Engineering (Study Confusion Focus Compulsory Specialisation Elective Compulsory Specialisatio

Sample	course plan D Bachelor Bioproce	ss Engineering (BVTBS)				
1	Engineering Mechanics I	Engineering Mechanics II	Basics of Electrical Engineering	Fundamentals of Fluid Mechanics	Heat and Mass Transfer	Process and Plant Engineering I
2	Engineering Mechanics I VL 3	Engineering Mechanics II VL 3	Basics of Electrical Engineering VL 3	Fundamentals of Fluid Mechanics VL 2	Heat and Mass Transfer VL 2	Process and Plant Engineering I VL 2
3	Engineering Mechanics I GÜ 2	Engineering Mechanics II GÜ 2	Basics of Electrical Engineering GÜ 2	Fluid Mechanics for Process Engineering HŪ 2	Heat and Mass Transfer GÜ 1	Process and Plant Engineering I HÜ 1
4					Heat and Mass Transfer HÜ 1	Process and Plant Engineering I GŪ 1
5						
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6						
7	Mathematics I Linear Algebra I VL 2	Technical Thermodynamics I Technical Thermodynamics I VL 2	Technical Thermodynamics II Technical Thermodynamics II VL 2	Phase Equilibria Thermodynamics Phase Equilibria Thermodynamics VL 2	Thermal Separation Processes Thermal Separation Processes VL 2	Particle Technology and Solids Process Engineering Particle Technology I VL 2
8	Linear Algebra I GÜ 1	Technical Thermodynamics I HÜ 1	Technical Thermodynamics II HÜ 1	Phase Equilibria Thermodynamics GÜ 1	Thermal Separation Processes VL 2 Thermal Separation Processes GÜ 2	Particle Technology I GÜ 1
9	Linear Algebra I HÜ 1	Technical Thermodynamics I GÜ 1	Technical Thermodynamics II GÜ 1	Phase Equilibria Thermodynamics HÜ 1	Thermal Separation Processes HÜ 1	Particle Technology I PR 2
10	Analysis I VL 2				Separation Processes PR 1	
11	Analysis I GÜ 1					
	Analysis I HÜ 1					
12						
13		Biochemistry and Microbiology	Mathematics III	Foundations of Management	Introduction to Control Systems	Environmental Technology (part 2)
		Biochemistry VL 2	Analysis III VL 2	Introduction to Management VL 3	Introduction to Control Systems VL 2	Practical Exercise Environmental Technology PR 1
14		Biochemistry PBL 1	Analysis III GÜ 1	Management Tutorial GÜ 2	Introduction to Control Systems GÜ 2	Bachelor Thesis
15	General and Inorganic Chemistry	Microbiology	Analysis III			
16	General and Inorganic Chemistry VL 3	Microbiology FBL 1	Differential Equations 1 GÜ 1			
-	Fundamentals in Inorganic Chemistry PR 3		Differential Equations 1 HÜ 1			
17	Fundamentals in Inorganic Chemistry GÜ 1		· ·			
18						
19		Mathematics II		Bioprocess Engineering - Fundamentals	Bioprocess Engineering - Advanced	
20		Linear Algebra II VL 2		Bioprocess Engineering - Fundamentals VL 2	Bioprocess Engineering - Advanced VL 2	
		Linear Algebra II GÜ 1		Bioprocess Engineering- Fundamentals HÜ 2	Bioprocess Engineering - Advanced GÜ 2	
21	Fundamentals of Process Engineering and Material Engineering	Linear Algebra II HÜ 1	Fundamentals in Molecular Biology	Bioprocess Engineering - Fundamental Practical PR 2		
22	Introduction into Process Engineering/Bioprocess VL 2	Analysis II VL 2	Genetics and Molecular Biology VL 2 Genetics and Molecular Biology PBL 1	Course		
23	Engineering	Analysis II HÜ 1 Analysis II GÜ 1	Lab Course in Microbiology and Biochemistry PR 3			
	Fundamentals of material engineering VL 2	Allalysis II GU 1	, , , , , , , , , , , , , , , , , , , ,			
24	Measurement Technology for VT/ BVT					
25	Measurement Technology VL 2			Computer Science for Engineers - Programming	Environmental Technology (part 1)	
26	Physical Fundamentals of Measurement VL 2 Technology			Concepts, Data Handling & Communication	Environmental Technologie VL 2	
	Practical Course Measurement Technology PR 2			Computer Science for Engineers - Programming VL 3		1
27	The Z	Organic Chemistry Organic Chemistry VL 4	Chemical Reaction Engineering (part 1)	Concepts, Data Handling & Communication		
28		Organic Chemistry VL 4 Organic Chemistry PR 3	Chemical Reaction Engineering VL 2 Chemical Reaction Engineering HÜ 2	Computer Science for Engineers - Programming GÜ 2 Concepts, Data Handling & Communication		
29		organic chainstry FR 5	Chemical reduction Engineering NO 2	, , ,		
30						
31				Chambel Baseline Fundamenta (mark 2)		
				Chemical Reaction Engineering (part 2) Experimental Course Chemical Engineering PR 2		
32				Experimental course chemical Engineering PR 2		
	Non-technical Courses for Bachelors (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.