Course of Study Bioprocess Engineering (Study Confusion Study Confusion Study Confusion Specialisation Elective Compulsory Specialisation Elective Compulsor

		_	-			_	Core Qualification Election	Live Com	Specialisation Elective Compulsory	rocus Elective	Compulsory Interdisciplinary con	ipiement
ample	course plan A Bachelor Biop	orocess	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
	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
									Heat and Mass Transfer	HÜ 1	Process and Plant Engineering I	GŪ 1
5												
6												
7	Mathematics I		Technical Thermodynamics I		Technical Thermodynamics II		Phase Equilibria Thermodynamics		Thermal Separation Processes		Particle Technology and Solids Process	Engineering
8	Linear Algebra I	VL 2	Technical Thermodynamics I	VL 2	Technical Thermodynamics II	VL 2	Phase Equilibria Thermodynamics VL	2	Thermal Separation Processes	VL 2	Particle Technology I	VL 2
	Linear Algebra I	GÜ 1	Technical Thermodynamics I	HÜ 1	Technical Thermodynamics II	HÜ 1	Phase Equilibria Thermodynamics GÜ	1	Thermal Separation Processes	GÜ 2	Particle Technology I	GŪ 1
9	Linear Algebra I	HŪ 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		VL 2							Separation Processes	PR 1		
11		GÜ 1										
12	Analysis I	HÜ 1										
13			Biochemistry and Microbiology		Mathematics III		Foundations of Management		Introduction to Control Systems		Fundamentals of Technical Drawing	
			Biochemistry	VL 2	Analysis III	VL 2	Introduction to Management VL	3	Introduction to Control Systems	VL 2	Fundamentals of Technical Drawing	VL 1
14			Biochemistry	PBL 1	Analysis III	GÜ 1	The state of the s		Introduction to Control Systems	GÜ 2	Fundamentals of Technical Drawing	HÜ 1
L5	General and Inorganic Chemistry		Microbiology	VL 2	Analysis III	HÜ 1						
.6	General and Inorganic Chemistry	VL 3	Microbiology	PBL 1	Differential Equations 1	VL 2					Bachelor Thesis	
		PR 3			Differential Equations 1	GÜ 1						
17	Fundamentals in Inorganic Chemistry	GÜ 1			Differential Equations 1	HÜ 1						
18												
19			Mathematics II				Bioprocess Engineering - Fundamentals		Bioprocess Engineering - Advanced			
20			Linear Algebra II	VL 2			Bioprocess Engineering - Fundamentals VL		Bioprocess Engineering - Advanced	VL 2		
21	Fundamentals of Process Engineering and Ma	aterial	Linear Algebra II Linear Algebra II	GÜ 1 HÜ 1	Fundamentals in Molecular Biology		Bioprocess Engineering - Fundamentals HŪ Bioprocess Engineering - Fundamental Practical PR		Bioprocess Engineering - Advanced	GÜ 2		
22	Engineering		Analysis II	VL 2	Genetics and Molecular Biology	VL 2	Course	-				
	Introduction into Process Engineering/Bioprocess	VL 2	Analysis II	HÜ 1	Genetics and Molecular Biology	PBL 1						
23	Engineering		Analysis II	GÜ 1	Lab Course in Microbiology and Biochemistry	PR 3						
	Fundamentals of material engineering	VL 2										
24	Measurement Technology for VT/ BVT											
25		VL 2					Computer Science for Engineers - Programming					
26	Physical Fundamentals of Measurement Technology	VL 2					Concepts, Data Handling & Communication					
27		PR 2					Computer Science for Engineers - Programming VL	3				
			Organic Chemistry	\(I) (*)	Chemical Reaction Engineering (part 1)	VI 2	Concepts, Data Handling & Communication	2				
28			Organic Chemistry Organic Chemistry	VL 4 PR 3	Chemical Reaction Engineering Chemical Reaction Engineering	VL 2 HÜ 2	Computer Science for Engineers - Programming GÜ Concepts, Data Handling & Communication	2				
29			organic chemistry	11. 3	Chamica Neaction Engineering	.10 2	, ,					
30												
31]						Chemical Reaction Engineering (part 2)					
32	1						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.