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

	_	-				Core Qualificati	ion Elective Col	mpulsory Specialisation Elective Compulsory	rocus Elective	Compulsory Interdisciplinary co	mpiement
ample	course plan A Bachelor Bioprocess	Engineering (BVTBS)									
	Mathematics I	Technical Thermodynamics I		Basics of Electrical Engineering		Fundamentals of Fluid Mechanics		Heat and Mass Transfer		Process and Plant Engineering I	
	Linear Algebra I VL 2	Technical Thermodynamics I	VL 2	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
	Linear Algebra I GÜ 1	Technical Thermodynamics I	HÜ 1	Basics of Electrical Engineering	GŪ 2	Fluid Mechanics for Process Engineering	HŪ 2	Heat and Mass Transfer	GÜ 1	Process and Plant Engineering I	HÜ 1
	Linear Algebra I HŪ 1	Technical Thermodynamics I	GÜ 1			Fundamentals on Fluid Mechanics	GÜ 2	Heat and Mass Transfer	HÜ 1	Process and Plant Engineering I	GÜ 1
	Analysis I VL 2										
	Analysis I GÜ 1										
	Analysis I HÜ 1										
		Mechanics II: Mechanics of Materials		Technical Thermodynamics II		Phase Equilibria Thermodynamics		Thermal Separation Processes		Particle Technology and Solids Proces	ss Engineering
		Mechanics II	VL 2	Technical Thermodynamics II	VL 2	Phase Equilibria Thermodynamics	VL 2	Thermal Separation Processes	VL 2	Particle Technology I	VL 2
		Mechanics II	GÜ 2	Technical Thermodynamics II	HÜ 1	Phase Equilibria Thermodynamics	GÜ 1	Thermal Separation Processes	GÜ 2	Particle Technology I	GŪ 1
	General and Inorganic Chemistry	Mechanics II	HÜ 2	Technical Thermodynamics II	GÜ 1	Phase Equilibria Thermodynamics	HŪ 1	Thermal Separation Processes	HÜ 1	Particle Technology I	PR 2
0	General and Inorganic Chemistry VL 3							Separation Processes	PR 1		
1	Fundamentals in Inorganic Chemistry PR 3										
2	Fundamentals in Inorganic Chemistry GÜ 1										
3		Biochemistry and Microbiology		Mathematics III		Foundations of Management		Introduction to Control Systems		Fundamentals of Technical Drawing	
4		Biochemistry	VL 2	Analysis III	VL 2	Introduction to Management	VL 3	Introduction to Control Systems	VL 2	Fundamentals of Technical Drawing	VL 1
		Biochemistry	PBL 1	Analysis III	GÜ 1	Management Tutorial	GÜ 2	Introduction to Control Systems	GÜ 2	Fundamentals of Technical Drawing	HÜ 1
5	Fundamentals of Process Engineering and Material	Microbiology	VL 2	Analysis III	HÜ 1						
5	Engineering	Microbiology	PBL 1	Differential Equations 1	VL 2					Bachelor Thesis	
7	Introduction into Process Engineering/Bioprocess VL 2 Engineering			Differential Equations 1	GÜ 1						
,	Fundamentals of material engineering VL 2			Differential Equations 1	HÜ 1						
8	Mechanics I (Statics)										
9	Mechanics I VL 2	Mathematics II				Bioprocess Engineering - Fundamentals		Bioprocess Engineering - Advanced			
0	Mechanics I GÜ 2	Linear Algebra II	VL 2			Bioprocess Engineering - Fundamentals	VL 2	Bioprocess Engineering - Advanced	VL 2		
	Mechanics I HŪ 1	Linear Algebra II	GÜ 1			Bioprocess Engineering- Fundamentals	HŪ 2	Bioprocess Engineering - Advanced	GÜ 2		
1		Linear Algebra II	HÜ 1	Fundamentals in Molecular Biology		Bioprocess Engineering - Fundamental Practical	PR 2				
2		Analysis II	VL 2	Genetics and Molecular Biology	VL 2	Course					
3		Analysis II	HÜ 1	Genetics and Molecular Biology Lab Course in Microbiology and Biochemistry	PBL 1 PR 3						
ı	Measurement Technology for VT/ BVT	Analysis II	GÜ 1	Lab Course in Microbiology and Biochemistry	PK 3						
5	Measurement Technology VL 2										
5 6	Physical Fundamentals of Measurement VL 2					Computer Science for Engineers - Program Concepts, Data Handling & Communication	-				
	Technology Practical Course Measurement Technology PR 2					Computer Science for Engineers - Programming	VL 3				
7	rraction course riedsurement reciniology FR 2	Organic Chemistry		Chemical Reaction Engineering (part 1)		Concepts, Data Handling & Communication	-0				
3		Organic Chemistry Organic Chemistry	VL 4 PR 3	Chemical Reaction Engineering Chemical Reaction Engineering	VL 2 HÜ 2	Computer Science for Engineers - Programming Concepts, Data Handling & Communication	GU 2				
9		Organic Chemistry	FK 3	Chemical Reaction Engineering	HU Z	concepts, Data Handling & Communication					
0											
1						Chemical Reaction Engineering (part 2)		1			
2						Experimental Course Chemical Engineering	PR 2				
_	Non-technical Courses for Bachelors (from c										

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.