Course of Study Bioprocess Engineering (Study

Sampl	e course plan B Bachelor Biopro	cess	Engineering (BVTBS)									
1	Mathematics I		Technical Thermodynamics I		Basics of Electrical Engineering		Fundamentals of Fluid Mechanics		Heat and Mass Transfer		Process and Plant Engineering I	
2	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
3	Linear Algebra I GÜ		Technical Thermodynamics I	HÜ 1	Basics of Electrical Engineering	GŪ 2			Heat and Mass Transfer	GÜ 1	Process and Plant Engineering I	HÜ 1
		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
4		2										
5	Analysis I GÜ Analysis I HÜ											
6												
7			Mechanics II: Mechanics of Materials		Technical Thermodynamics II		Phase Equilibria Thermodynamics		Thermal Separation Processes		Particle Technology and Solids Process E	Engineering
8			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		Thermal Separation Processes	GÜ 2	Particle Technology I	GŪ 1
9	General and Inorganic Chemistry		Mechanics II	HÜ 2	Technical Thermodynamics II	GÜ 1	Phase Equilibria Thermodynamics HÜ	1	Thermal Separation Processes	HÜ 1	Particle Technology I	PR 2
10	General and Inorganic Chemistry VL Fundamentals in Inorganic Chemistry PR	3							Separation Processes	PR 1		
11		1										
12												
13			Biochemistry and Microbiology		Mathematics III		Foundations of Management		Introduction to Control Systems		Bachelor Thesis	
14			Biochemistry	VL 2	Analysis III	VL 2	Introduction to Management VL	3	Introduction to Control Systems	VL 2		
15	Fundamentals of Process Engineering and Mater		Biochemistry	PBL 1	Analysis III	GŪ 1	Management Tutorial GÜ	2	Introduction to Control Systems	GÜ 2		
	Engineering		Microbiology	VL 2	Analysis III	HÜ 1						
16	Introduction into Process Engineering/Bioprocess VL		Microbiology	PBL 1	Differential Equations 1	VL 2						
17	Engineering				Differential Equations 1 Differential Equations 1	GÜ 1 HÜ 1						
	Fundamentals of material engineering VL	2			Differential Equations 1	HU I						
18	Mechanics I (Statics)											
19	Mechanics I VL Mechanics I GÜ		Mathematics II				Bioprocess Engineering - Fundamentals		Bioprocess Engineering - Advanced			
20		1	Linear Algebra II	VL 2			Bioprocess Engineering - Fundamentals VL		Bioprocess Engineering - Advanced	VL 2		
21	incentines i		Linear Algebra II Linear Algebra II	GÜ 1 HÜ 1	Fundamentals in Molecular Biology		Bioprocess Engineering - Fundamentals HÜ Bioprocess Engineering - Fundamental Practical PR		Bioprocess Engineering - Advanced	GÜ 2		
22			Analysis II	VL 2	Genetics and Molecular Biology	VL 2	Course	2				
23			Analysis II	HÜ 1	Genetics and Molecular Biology	PBL 1						
23	Measurement Technology for VT/ BVT		Analysis II	GÜ 1	Lab Course in Microbiology and Biochemistry	PR 3						
24	Measurement Technology Tor VI/ BVI Measurement Technology VL	2					Computer Science for Engineers - Programming		Practice of Process Engineering			
		2					Concepts, Data Handling & Communication		Practice in Process Engineering	PS 2		
26	Technology Practical Course Measurement Technology PR	2					Computer Science for Engineers - Programming VL	3	Lectures for Pratice of Process Engineering	SE 1		
27	The second s		Organic Chemistry Organic Chemistry	VL 4	Chemical Reaction Engineering (part 1) Chemical Reaction Engineering	VL 2	Concepts, Data Handling & Communication Computer Science for Engineers - Programming GÜ	2			1	
28			Organic Chemistry Organic Chemistry	PR 3	Chemical Reaction Engineering Chemical Reaction Engineering	VL 2 HÜ 2	Concepts, Data Handling & Communication	2				
29			, <u>, , , , , , , , , , , , , , , , , , </u>				-					
30												
31							Chemical Reaction Engineering (part 2)					
32	1						Experimental Course Chemical Engineering PR	2				
	Non-technical Courses for Bachelors (fr	om cata	alogue) - 6LP									
	Non-technical Courses for Bachelors (from catalogue) - 6LP											

Thesis Compulsory Interdisciplinary complete

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