Course of Study Bioprocess Engineering (Study Cohort w18)

	Engineering Mechanics I	Engineering Mechanics II	14 2	Basics of Electrical Engineering	14 2	Fundamentals of Fluid Mechanics	1// 2	Heat and Mass Transfer	14 2	Chemical Reaction Engineering (part 2)	PR 2
	Engineering Mechanics I VL 3 Engineering Mechanics I GÜ 2	Engineering Mechanics II Engineering Mechanics II	VL 3 GÜ 2	Basics of Electrical Engineering Basics of Electrical Engineering	VL 3 GŪ 2	Fundamentals of Fluid Mechanics Fluid Mechanics for Process Engineering	VL 2 HÜ 2	Heat and Mass Transfer Heat and Mass Transfer	VL 2 GÜ 1	Experimental Course Chemical Engineering	PK 2
	Engineering Mechanics 1 GO 2	Engineering mechanics in	GU 2	Basics of Electrical Engineering	60 2	Fluid Mechanics for Flocess Engineering	HU 2	Heat and Mass Transfer	HÜ 1	Process and Plant Engineering I	
								reacting hass mansler	110 1	Process and Plant Engineering I	VL 2
										Process and Plant Engineering I	HÜ 1
5										Process and Plant Engineering I	GŨ 1
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	Mathematics I	Technical Thermodynamics I		Technical Thermodynamics II		Phase Equilibria Thermodynamics		Thermal Separation Processes			
	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		
	Linear Algebra I GÜ 1 Linear Algebra I HÜ 1	Technical Thermodynamics I	HÜ 1 GÜ 1	Technical Thermodynamics II	ΗÜ 1 GÜ 1	Phase Equilibria Thermodynamics	GÜ 1 HÜ 1	Thermal Separation Processes	GÜ 2 HÜ 1	Particle Technology and Solids Process En	naineerina
0	Linear Algebra I HŪ 1 Analysis I VL 2	Technical Thermodynamics I	GU I	Technical Thermodynamics II	GU I	Phase Equilibria Thermodynamics	HUI	Thermal Separation Processes Separation Processes	PR 1	Particle Technology I	VL 2
LO	Analysis I GÜ 1							Separation Processes	FK 1	Particle Technology I	GŪ 1
11	Analysis I HŪ 1									Particle Technology I	PR 2
.2	······,····										
13		Biochemistry and Microbiology		Mathematics III		Foundations of Management		Introduction to Control Systems			
4		Biochemistry	VL 2	Analysis III	VL 2	Introduction to Management	VL 3	Introduction to Control Systems	VL 2		
		Biochemistry	PBL 1	Analysis III	GŪ 1	Management Tutorial	HÜ 2	Introduction to Control Systems	GÜ 2		
5	General and Inorganic Chemistry	Microbiology	VL 2	Analysis III	HÜ 1					Environmental Technology (part 2)	
	General and Inorganic Chemistry VL 3	Microbiology	PBL 1	Differential Equations 1	VL 2					Practical Exercise Environmental Technology	PR 1
.6	Fundamentals in Inorganic Chemistry PR 3			Differential Equations 1	GŪ 1					Bachelor Thesis	
.7	Fundamentals in Inorganic Chemistry GÜ 1			Differential Equations 1	HÜ 1						
L8											
9		Mathematics II				Informatics for Process Engineers		Chemical Reaction Engineering (part 1)			
20		Linear Algebra II	VL 2			Numeric and Matlab	PR 2	Chemical Reaction Engineering	VL 2		
		Linear Algebra II	GÜ 1			Informatics for Process Engineers	VL 2	Chemical Reaction Engineering	HÜ 2		
21	Fundamentals of Process Engineering and Material	Linear Algebra II	HÜ 1	Fundamentals in Molecular Biology		Informatics for Process Engineers	GÜ 2				
22	Engineering	Analysis II	VL 2	Genetics and Molecular Biology	VL 2						
23	Introduction into Process Engineering/Bioprocess VL 2	Analysis II	HÜ 1	Genetics and Molecular Biology	PBL 1			Plannan Factor day Advanced			
	Engineering Fundamentals of material engineering VL 2	Analysis II	GÜ 1	Lab Course in Microbiology and Biochemistry	PR 3			Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	VL 2		
								Bioprocess Engineering - Advanced	GÜ 2		
5	Physics VL 2										
	Physics GÜ 1					Bioprocess Engineering - Fundamentals					
6	Physics-Lab for VT/ BVT/ EUT PR 2					Bioprocess Engineering - Fundamentals Bioprocess Engineering- Fundamentals	VL 2 HÜ 2				
7		Organic Chemistry				Bioprocess Engineering- Fundamentals Bioprocess Engineering - Fundamental Practic					
8		Organic Chemistry	VL 4			Course					
		Organic Chemistry	PR 3								
29								Environmental Technology (part 1) Environmental Technologie	VL 2		
0								christian rechnologie	VL 2		
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2											

Focus Compulsory

Thesis Compulsory

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