## Course of Study Bioprocess Engineering (Study Cohort w14)

amp	le course plan C Bachelor B		. ,			Core qualification Elective Compulsory	Con	cialisation Elective npulsory	Focus Elective Com	pulsory	Interdisciplinary com	olement
P	Semester 1 FormHrs	/wk Semester 2	FormHrs/wł	Semester 3	FormHrs/wk	Semester 4	FormHrs/wl	Semester 5	FormHrs/wk	Semester 6		FormHrs/
	Engineering Mechanics I	Engineering Mechanics II		Basics of Electrical Engineering		Fundamentals of Fluid Mechanics		Heat and Mass Transfer			aration Processes (pa	
	Engineering Mechanics I VL 3		VL 3	Basics of Electrical Engineering	VL 3	Fundamentals of Fluid Mechanics	VL 2	Heat and Mass Transfer	VL 2	Separation Pr		PR 1
	Engineering Mechanics I UE 2	Engineering Mechanics II	UE 2	Basics of Electrical Engineering	UE 2	Exercises in Fluid Mechanics for Process Engineering	HÜ 1	Heat and Mass Transfer	UE 1		action Engineering (pa	
						Libbood Engineering				Experimental Engineering	Course Chemical	PR 2
										Process and	Plant Engineering I	
											Plant Engineering I	VL 2
											Plant Engineering I	HÜ 1
	Mathematics I	Technical Thermodynamics I		Technical Thermodynamics II		Phase Equilibria Thermodynamics		Thermal Separation Process	cas (nart 1)	Process and	Plant Engineering I	UE 1
	Linear Algebra I VL 2		VL 2	Technical Thermodynamics II	VL 2	Thermodynamics III	VL 2	Thermal Separation Process				
	Linear Algebra I UE 1	Technical Thermodynamics I	ΗÜ 1	Technical Thermodynamics II	HÜ 1	Thermodynamics III	UE 1	Thermal Separation Process				
	Linear Algebra I HÜ 1	Technical Thermodynamics I	UE 1	Technical Thermodynamics II	UE 1	Thermodynamics III	HÜ 1	Thermal Separation Process	es HÜ 1			
)	Analysis I VL 2									Particle Tech	nology and Solids Pro	ocess
1	Analysis I UE 1									Engineering		
2	Analysis I HÜ 1							Introduction to Control Syste	imo	Particle Tech		VL 2
								Introduction to Control System		Particle Tech		UE 1 PR 2
		Biochemistry and Microbiology		Mathematics III		Foundations of Management		Introduction to Control System		Particle Tech	nology i	PR 2
Ļ		Biochemistry	VL 2	Analysis III	VL 2 UE 1	Introduction to Management	VL 4 POL 2					
;	Fundamentals in Inorganic Chemistry	Biochemistry Microbiology	POL 1 VL 2	Analysis III Analysis III	HÜ 1	Project Entrepreneurship	POL 2					
6	Fundamentals in Inorganic Chemistry VL 4		POL 1	Differential Equations 1	VL 2					Bachelor The	sis	
,	Fundamentals in Inorganic Chemistry PR 3			Differential Equations 1	UE 1							
				Differential Equations 1	HÜ 1							
3								Chemical Reaction Engineer	<u> </u>			
)		Mathematics II				Informatics for Process Engineers		Chemical Reaction Engineer	-			
)		Linear Algebra II	VL 2			Numeric and Matlab	PR 2	Chemical Reaction Engineer	ing HU 2			
	Fundamentals of Process Engineering	Linear Algebra II	UE 1	Fundamentals in Molecular Biology		Informatics for Process Engineers	VL 2					
	Environmental Technologie VL 2	Linear Algebra II Analysis II	HÜ 1 VL 2	Genetics and Molecular Biology	VL 2	Informatics for Process Engineers	UE 2	Bioprocess Engineering - Ad	lvanced			
	Introduction into Process VL 2	Analysis II	HÜ 1	Genetics and Molecular Biology	POL 1			Bioprocess Engineering - Ad				
3	Engineering/Bioprocess Engineering	Analysis II	UE 1	Lab Course in Microbiology and	PR 3			Bioprocess Engineering - Ad				
1	Fundamentals of Technical Drawing VL 1 and Materials			Biochemistry								
)	Fundamentals of Technical Drawing HÜ 1					Bioprocess Engineering - Fundament						
6	and Materials					Bioprocess Engineering - Fundamentals	VL 2					
7	Physics for VT/BVT/EUT-Engineers	Organic Chemistry				Bioprocess Engineering-	HÜ 2					
3	Physics for VT/BVT/EUT-Engineers VL 2	Organic Chemistry	VL 4			Fundamentals			1			
, )	Physics for VT/BVT/EUT-Engineers UE 1	Organic Chemistry	PR 3			Bioprocess Engineering -	PR 2					
	Physics-Lab for VT/BVT/EUT- PR 2					Fundamental Practical Course						
)	Engineers											
2												
	Nontechnical Complementary Cours											

Legend:

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