Course of Study Bioprocess Engineering (Study Cohort w15)

Р	Semester 1 Form	Hrs/wk	Semester 2	FormHrs/wk	Semester 3	FormHrs/wk	Semester 4	FormHrs/wk	Semester 5	FormHrs/wk	Semester 6	FormHrs/v
.1	Engineering Mechanics I		Engineering Mechanics II		Basics of Electrical Engineering		Fundamentals of Fluid Mechanics		Heat and Mass Transfer		Thermal Separation Processes (pa	
	Engineering Mechanics I VL		Engineering Mechanics II	VL 3	Basics of Electrical Engineering	VL 3	Fundamentals of Fluid Mechanics	VL 2	Heat and Mass Transfer		Separation Processes	PR 1
	Engineering Mechanics I UE	2	Engineering Mechanics II	UE 2	Basics of Electrical Engineering	UE 2	Fluid Mechanics for Process	HÜ 2	Heat and Mass Transfer	UE 1	Chemical Reaction Engineering (pa	rt 2)
							Engineering				Experimental Course Chemical Engineering	PR 2
											Process and Plant Engineering I	
											Process and Plant Engineering I	VL 2
											Process and Plant Engineering I	HÜ 1
_	Mathematics I		Technical Thermodynamics I		Technical Thermodynamics II		Phase Equilibria Thermodynamics		Thermal Separation Processes		Process and Plant Engineering I	UE 1
	Linear Algebra I VL		Technical Thermodynamics I	VL 2	Technical Thermodynamics II	VL 2	Thermodynamics III	VL 2	Thermal Separation Processes	VL 3		
	Linear Algebra I UE	1	Technical Thermodynamics I	HÜ 1	Technical Thermodynamics II	HÜ 1	Thermodynamics III	UE 1	Thermal Separation Processes	UE 2		
	Linear Algebra I HÜ	1	Technical Thermodynamics I	UE 1	Technical Thermodynamics II	UE 1	Thermodynamics III	HÜ 1	Thermal Separation Processes	HÜ 1		
0	Analysis I VL										Particle Technology and Solids Pro	ocess
1	Analysis I UE Analysis I HÜ										Engineering	
2	Analysis I HÜ	1							Introduction to Control Systems		Particle Technology I Particle Technology I	VL 2 UE 1
3			Biochemistry and Microbiology		Mathematics III		Foundations of Management		Introduction to Control Systems		Particle Technology I	PR 2
			Biochemistry	VL 2	Analysis III	VL 2	Introduction to Management	VL 3	Introduction to Control Systems	UE 2		
4			Biochemistry	POL 1	Analysis III	UE 1	Project Entrepreneurship	POL 2				
5	General and Inorganic Chemistry		Microbiology	VL 2	Analysis III	HÜ 1						
6	Fundamentals in Inorganic Chemistry VL		Microbiology	POL 1	Differential Equations 1	VL 2					Bachelor Thesis	
7	Fundamentals in Inorganic Chemistry PR	3			Differential Equations 1	UE 1						
8					Differential Equations 1	HÜ 1			Chemical Reaction Engineering	(part 1)		
9			Mathematics II				Informatics for Process Engineers		Chemical Reaction Engineering	VL 2		
			Linear Algebra II	VL 2			Numeric and Matlab	PR 2	Chemical Reaction Engineering	HÜ 2		
0			Linear Algebra II	UE 1			Informatics for Process Engineers	VL 2				
1	Fundamentals of Process Engineering		Linear Algebra II	HÜ 1	Fundamentals in Molecular Biology		Informatics for Process Engineers	UE 2				
2	Environmental Technologie VL		Analysis II	VL 2	Genetics and Molecular Biology	VL 2			Bioprocess Engineering - Advar	nced		
3	Introduction into Process VL Engineering/Bioprocess Engineering		Analysis II	HÜ 1	Genetics and Molecular Biology Lab Course in Microbiology and	POL 1 PR 3			Bioprocess Engineering - Advan			
1	Fundamentals of Technical Drawing VL		Analysis II	UE 1	Biochemistry				Bioprocess Engineering - Advan	iced UE 2		
5	and Materials						Bioprocess Engineering - Fundamer	ntale				
6	Fundamentals of Technical Drawing HÜ and Materials	1					Bioprocess Engineering -	VL 2				
-							Fundamentals					
7	Physics VL		Organic Chemistry Organic Chemistry	VL 4			Bioprocess Engineering- Fundamentals	HÜ 2				
8	Physics UE		Organic Chemistry	PR 3			Bioprocess Engineering -	PR 2				
9	Physics-Lab for VT/ BVT/ EUT PR		· · ·				Fundamental Practical Course					
0												
1												
2												

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.