Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w20)

Core Qualification Compulsory

	course plan B Bachelor Genera							ation Elective Compulsory Focus E			ent
peciali	sation ₁ Process Engineering _{Hrs/wk}	Semester 2 FormHrs/wk	Semester 3 FormHr	s/wk Semester 4	FormHrs/wk	Semester 5	FormHrs/wk	Semester 6	FormHrs/wk	Semester 7	FormHrs
	Chemistry	Electrical Engineering II: Alternating Current	Technical Thermodynamics II	Signals and Systems		Introduction to Control Systems		Foundations of Management		Advanced Internship AIW/ ES	
	Chemistry I+II VL 4	Networks and Basic Devices	Technical Thermodynamics II VL		VL 3	Introduction to Control Systems	VL 2	Introduction to Management	VL 3	Advanced Internship AIW/ ES:	SE :
	Chemistry I+II HÜ 2	Electrical Engineering II: Alternating VL 3 Current Networks and Basic Devices	Technical Thermodynamics II HÜ		GÜ 2	Introduction to Control Systems	GÜ 2	Management Tutorial	GÜ 2	Preparation	
		Electrical Engineering II: Alternating GÜ 2	Technical Thermodynamics II GÜ							Advanced Intenship AIW/ ES: Internship- accompanying Seminar	SE I
4		Current Networks and Basic Devices								accompanying Schillar	
5											
6											
7	Electrical Engineering I: Direct Current	Fundamentals of Mechanical Engineering	Mathematics III	Fundamentals of Fluid Mechanics		Heat and Mass Transfer		Process and Plant Engineering I			
8	Networks and Electromagnetic Fields	Design	Analysis III VL :	Fundamentals of Fluid Mechanics	VL 2	Heat and Mass Transfer	VL 2	Process and Plant Engineering I	VL 2		
	Electrical Engineering I: Direct Current VL 3	Fundamentals of Mechanical Engineering VL 2	Analysis III GÜ	Fluid Mechanics for Process Engineering	HÜ 2	Heat and Mass Transfer	GÜ 1	Process and Plant Engineering I	HÜ 1		
9	Networks and Electromagnetic Fields	Design	Analysis III HÜ			Heat and Mass Transfer	HÜ 1	Process and Plant Engineering I	GÜ 1		
10	Electrical Engineering I: Direct Current GÜ 2	Fundamentals of Mechanical Engineering HÜ 2	Differential Equations 1 VL								
11	Networks and Electromagnetic Fields	Design	Differential Equations 1 GÜ								
			Differential Equations 1 HÜ								
12											
13	Mathematics I	Technical Thermodynamics I		Phase Equilibria Thermodynamics		Thermal Separation Processes		Particle Technology and Solids Pro	ocess		
14	Linear Algebra I VL 2	Technical Thermodynamics I VL 2		Phase Equilibria Thermodynamics	VL 2	Thermal Separation Processes	VL 2	Engineering	VL 2		
15	Linear Algebra I GÜ 1	Technical Thermodynamics I HÜ 1 Technical Thermodynamics I GÜ 1	Mechanics III (Dynamics)	Phase Equilibria Thermodynamics	GÜ 1 HÜ 1	Thermal Separation Processes	GÜ 2	Particle Technology I Particle Technology I	GÜ 1		
	Linear Algebra I HÜ 1 Analysis I VL 2	Technical Thermodynamics I GÜ 1	Mechanics III VL	Phase Equilibria Thermodynamics	HU I	Thermal Separation Processes Separation Processes	HÜ 1 PR 1	Particle Technology I	PR 2		
16	Analysis I VL 2 Analysis I GÜ 1		Mechanics III GÜ			Separation Processes	PK I	rancie reciniology i	111 2		
17	Analysis I HÜ 1		Mechanics III HÜ								
18											
19		Mechanics II: Mechanics of Materials		Renewables Energy Systems		Chemical Reaction Engineering (pa	rt 1)	Chemical Reaction Engineering (p	art 2)	Bachelor Thesis	
20		Mechanics II VL 2		Renewable Energy	VL 2	Chemical Reaction Engineering	VL 2	Experimental Course Chemical	PR 2		
20		Mechanics II GÜ 2		Energy Systems and Energy Industry	VL 2	Chemical Reaction Engineering	HÜ 2	Engineering			
21	Mechanics I (Statics)	Mechanics II HÜ 2	Computer Engineering	Power Industry	VL 1			Environmental Technology (part 2	!)		
	Mechanics I VL 2		Computer Engineering VL	Renewable Energy	GÜ 1			Practical Exercise Environmental	PR 1		
	Mechanics I GÜ 2		Computer Engineering GÜ					Technology			
22	Mechanics I HÜ 1										
23						Measurement Technology for Cher	nical and				
						Bioprocess Engineering					
24						Measurement Technology	VL 2				
25		Mathematics II		Bioprocess Engineering - Fundame		Physical Fundamentals of Measuremen	t VL 2				
26		Linear Algebra II VL 2		Bioprocess Engineering - Fundamentals		Technology					
27	Programming in C	Linear Algebra II GÜ 1	Fundamentals of Process Engineering and	Bioprocess Engineering- Fundamentals		Practical Course Measurement	PR 2				
	Programming in C VL 1	Linear Algebra II HÜ 1	Material Engineering	Bioprocess Engineering - Fundamental Practical Course	PR 2	Technology					
28	Programming in C PR 1	Analysis II VL 2	Introduction into Process VL								
29		Analysis II HÜ 1 Analysis II GÜ 1	Engineering/Bioprocess Engineering			Fundamental Fashmalan () 2					
23	Physics for Engineers (AIW) Physics for Engineers VL 2	- COUNTY - C	Fundamentals of material engineering VL			Environmental Technology (part 1) Environmental Technologie) VL 2				
						Environmental reciniologie	VL Z				
30											
	Physics for Engineers GÜ 1										
30 31 32	Physics for Engineers GU 1										

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