Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w21)

Core Qualification Compulsory

		n program, 7 semester) (AIWBS	(7))	Core Qualification Elective Compulsory Specia	lisation Elective Compulsory Focus Elective Com	Interdisciplinary complement
isation Chemical and Bioengine	ering					
						Advanced Internship AIW/ ES Advanced Internship AIW/ ES: SE
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Chemistry I+II HU 2			Signals and Systems GU 2	Introduction to Control Systems GU 2	Management Tutorial GU 2	
		Technical Thermodynamics II GÜ 1				Advanced Intenship AIW/ ES: Internship- SE
						accompanying Seminar
	Current Networks and Basic Devices					
Electrical Engineering I: Direct Current	Fundamentals of Mechanical Engineering	Mathematics III	Fundamentals of Fluid Mechanics	Heat and Mass Transfer	Process and Plant Engineering I	
Networks and Electromagnetic Fields						
Electrical Engineering I: Direct Current VL 3						
Networks and Electromagnetic Fields	Design					
Electrical Engineering I: Direct Current GÜ 2	Fundamentals of Mechanical Engineering HÜ 2	· ·				
Networks and Electromagnetic Fields	Design					
		Sincrental Equations 1				
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	Technical Thermodynamics I GÜ 1		Phase Equilibria Thermodynamics HÜ 1			
				Separation Processes PR 1	Particle Technology I PR 2	
Analysis I HÜ 1		Engineering Mechanics III HO 1				
	Mechanics II: Mechanics of Materials		Fundamentals in Molecular Biology	Chemical Reaction Engineering (part 1)	Chemical Reaction Engineering (part 2)	Bachelor Thesis
	Mechanics II VL 2		Genetics and Molecular Biology VL 2	Chemical Reaction Engineering VL 2	Experimental Course Chemical PR 2	
	Mechanics II GÜ 2		Genetics and Molecular Biology PBL 1	Chemical Reaction Engineering HÜ 2	Engineering	
Mechanics I (Statics)	Mechanics II HÜ 2	Measurement Technology for Chemical and	Lab Course in Microbiology and PR 3			
Mechanics I VL 2		Bioprocess Engineering	Biochemistry			
Mechanics I GÜ 2		Measurement Technology VL 2				
Mechanics I HÜ 1		Physical Fundamentals of Measurement VL 2		Material Engineering		
		Technology		Material Engineering VL 2		
		Practical Course Measurement PR 2				
	Mathematics II	Technology	Biological and Biochemical Fundamentals			
	Linear Algebra II VL 2		(part 2)	Bioprocess Technology I		
	Linear Algebra II GÜ 1		Fundamental Biological and Biochemical PR 3			
	Linear Algebra II HÜ 1			Bioprocess Technology I HÜ 2		
	Analysis II VL 2					
	Analysis II HÜ 1	Bioengineering	Biocnemical Practical Course	Practical Course		
	Analysis II GÜ 1					
		Riological and Riochemical Fundamentals				
introduction and Overview		(part 1)				
		Biological and Biochemical Fundamentals VL 2				
	Chemistry Chemistry Chemistry Chemistry Chemistry Hill VL 4 Chemistry Hill VL 4 Chemistry Hill HiÜ 2 Chemistry Hill Hill Hill Hill Hill Hill Hill Hill Electrical Engineering Direct Current VL 3 Chemistry Chemistr	Station Chemical and Bioengine ering Chemistry	Chemistry Chemistry +	Chemistry 1	Section Chemical and Bioentian Patrial Patri	Cambing 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.