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

	_				Core Qualification Compulsory Specia	alisation Compulsory Focus Compulsory	Thesis Compulsory
ample	course plan A Bachelor Gener	al Engineering Science (Germa	an program, 7 semester) (AIWBS	5(7))	Core Qualification Elective Compulsory Specia	alisation Elective Compulsory Focus Elective Compu	Isory Interdisciplinary complement
	isation Mechanical Engineering						
.1	3 3		3 3				
	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 2	Signals and Systems 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 1	Signals and Systems GÜ 2	Introduction to Control Systems GÜ 2	Management Tutorial GÜ 2	Preparation
		Electrical Engineering II: Alternating GÜ 2	Technical Thermodynamics II GÜ 1				Advanced Intenship AIW/ ES: Internship- SE accompanying Seminar
1		Current Networks and Basic Devices					accompanying Seminar
5		Carrette records and basic bevices					
6							
							_
7	Electrical Engineering I: Direct Current	Fundamentals of Mechanical Engineering	Mathematics III	Fluid Dynamics	Measurement Technology for Mechanical	Modeling, Simulation and Optimization (EN)	
В	Networks and Electromagnetic Fields Electrical Engineering I: Direct Current VL 3	Design Fundamentals of Mechanical Engineering VL 2	Analysis III VL 2 Analysis III GÜ 1	Fluid Mechanics VL 3 Fluid Mechanics HÜ 2	Engineers Measurement Technology for Mechanical VL 2	Modeling, Simulation and Optimization IV 4	
9	Networks and Electromagnetic Fields	Design	-	Fluid Mechanics HÜ 2	Engineering		
	Electrical Engineering I: Direct Current GÜ 2	Fundamentals of Mechanical Engineering HÜ 2	1.411		Measurement Technology for Mechanical HÜ 1		
10	Networks and Electromagnetic Fields	Design	Differential Equations 1		Engineering		
11			Differential Equations 1 GU 1 Differential Equations 1 HÜ 1		Practical Course: Measurement and PR 2		
12			Direction Equations 1		Control Systems		
13	Mathematics I	Technical Thermodynamics I		Mechanics IV (Oscillations, Analytical	Numerical Mathematics I	Mathematics IV	
	Linear Algebra I VL 2	Technical Thermodynamics I VL 2		Mechanics IV (Oscillations, Analytical Mechanics, Multibody Systems, Numerical	Numerical Mathematics I VL 2	Complex Functions VL 2	
14	Linear Algebra I GÜ 1	Technical Thermodynamics I HÜ 1		Mechanics)	Numerical Mathematics I GÜ 2	Complex Functions GÜ 1	
15	Linear Algebra I HÜ 1	Technical Thermodynamics I GÜ 1	Mechanics III (Dynamics)	Mechanics IV VL 3	Numerical Platferhades 1	Complex Functions HÜ 1	
16	Analysis I VL 2		Mechanics III VL 3	Mechanics IV GÜ 2		Differential Equations 2 VL 2	
	Analysis I GÜ 1		Mechanics III GÜ 2	Mechanics IV HÜ 1		Differential Equations 2 GÜ 1	
17	Analysis I HÜ 1		Mechanics III HÜ 1			Differential Equations 2 HÜ 1	
18							
19		Mechanics II: Mechanics of Materials		Advanced Mechanical Engineering Design	Heat Transfer	Machine Learning I	Bachelor Thesis
20		Mechanics II VL 2		(part 2)	Heat Transfer VL 3	Machine Learning I VL 2	
		Mechanics II GÜ 2		Advanced Mechanical Engineering VL 2	Heat Transfer HÜ 2	Machine Learning I GÜ 2	
21	Mechanics I (Statics)	Mechanics II HÜ 2	Advanced Mechanical Engineering Design	Design II			
	Mechanics I VL 2		(part 1)	Advanced Mechanical Engineering HÜ 2			
	Mechanics I GÜ 2 Mechanics I HÜ 1		Advanced Mechanical Engineering VL 2 Design I	Design II			
22	Mechanics I HÜ 1		Advanced Mechanical Engineering HÜ 2	Mechanical Engineering: Design (part 2)			
23			Design I	Team Project Design Methodology PBL 2			
24			Mechanical Engineering: Design (part 1)	Mechanical Design Project II PBL 3			
			Embodiment Design and 3D-CAD VL 2				
25		Mathematics II	Mechanical Design Project I PBL 3	Fundamentals of Materials Science (part 2)	Computer Engineering	Production Engineering (part 2)	
26		Linear Algebra II VL 2 Linear Algebra II GÜ 1		Fundamentals of Materials Science II VL 2	Computer Engineering VL 3	Production Engineering II VL 2 Production Engineering II HÜ 1	
27	Programming in C	Linear Algebra II GÜ 1 Linear Algebra II HÜ 1	Fundamentals of Materials Science (part 1)		Computer Engineering GŪ 1	Production Engineering II HÜ 1	
28	Programming in C VL 1	Analysis II VL 2	Fundamentals of Materials Science I VL 2				
:0	Programming in C PR 1	Analysis II VL 2 Analysis II HÜ 1	Physical and Chemical Basics of Materials VL 2				
29	Physics for Engineers (AIW)	Analysis II GÜ 1	Science				
	Physics for Engineers VL 2						
30	Physics for Engineers GÜ 1						
31					Production Engineering (part 1)		
32					Production Engineering I VL 2		
32					Production Engineering I HÜ 1		
33			_		Froduction Engineering 1 Ho 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.