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

Core Qualification Compulsory

						Core Qualification Compulsory Sp	ecialisation Compulsory	Focus Compulsory	Thesis Compulsory	
Sample	course plan B Bachelor Gener	al Engineering Science (Germa	n program, 7 semester) (AIWBS	(7))		Core Qualification Elective Compulsory Sp	ecialisation Elective Compulsory	Focus Elective Compuls	Interdisciplinary complement	
	isation Mechanical Engineering		F		ıHrs/wk Se	amester 5 FormU	rs/wk Semester 6	FormHrs/wk	Semester 7 Form	Hrs/wk
					IIII3/WK Je	emester 5	3/WK Jemester 0	TOTTITISYWK		113/446
1	Chemistry	Electrical Engineering II: Alternating Current	Technical Thermodynamics II	Signals and Systems		ntroduction to Control Systems	Foundations of Manager		Advanced Internship AIW/ ES	
2	Chemistry I+II VL 4	Networks and Basic Devices	Technical Thermodynamics II VL 2	Signals and Systems VL		ntroduction to Control Systems VL			Advanced Internship AIW/ ES: SE	1
3	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 Int	ntroduction 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
4		Current Networks and Basic Devices							accompanying Schillar	
5										
6										
7										
,	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	Fundamentals of Mechanical Engineering Design	Mathematics III  Analysis III	Fluid Dynamics Fluid Mechanics VL		Measurement Technology for Mechanical ingineers	Modeling, Simulation an Modeling, Simulation and O			
8	Electrical Engineering I: Direct Current VL 3	Fundamentals of Mechanical Engineering VL 2	Analysis III VL 2 Analysis III GŪ 1	Fluid Mechanics VL Fluid Mechanics HÜ	-	Measurement Technology for Mechanical VL		Jumization IV 4		
9	Networks and Electromagnetic Fields	Design	Analysis III HÜ 1	riuid Mechanics no	_	ingineering				
10	Electrical Engineering I: Direct Current GŪ 2	Fundamentals of Mechanical Engineering HÜ 2	Differential Equations 1 VL 2		Me	Measurement Technology for Mechanical HÜ	1			
	Networks and Electromagnetic Fields	Design	Differential Equations 1 GÜ 1		En	ingineering				
11			Differential Equations 1 HÜ 1			ractical Course: Measurement and PR	2			
12					Co	Control Systems				
13	Mathematics I	Technical Thermodynamics I		Computational Mechanics	Nı	lumerical Mathematics I	Electrical Machines and	Actuators		
	Linear Algebra I VL 2	Technical Thermodynamics I VL 2		Computational Multibody Dynamics IV		Jumerical Mathematics I VL				
14	Linear Algebra I GÜ 1	Technical Thermodynamics I HÜ 1		Computational Mechanics GÜ	2 Nu	Iumerical Mathematics I GÜ				
15	Linear Algebra I HÜ 1	Technical Thermodynamics I GÜ 1	Engineering Mechanics III (Dynamics)	Computational Stuctural Mechanics IV	2					
16	Analysis I VL 2		Engineering Mechanics III VL 3							
17	Analysis I GÜ 1		Engineering Mechanics III GÜ 2							
	Analysis I HÜ 1		Engineering Mechanics III HÜ 1							
18										
19		Mechanics II: Mechanics of Materials		Advanced Mechanical Engineering Design	n He	leat Transfer	Machine Learning I		Bachelor Thesis	
20		Mechanics II VL 2		(part 2)		leat Transfer VL	-	VL 2		
21	Manhaulas I (Chablas)	Mechanics II GÜ 2	Advanced Markey and Frederick Barbar	Advanced Mechanical Engineering VL	2 He	deat Transfer HÜ	2 Machine Learning I	GÜ 2		
21	Mechanics I (Statics)  Mechanics I VL 2	Mechanics II HÜ 2	Advanced Mechanical Engineering Design (part 1)	Design II  Advanced Mechanical Engineering HÜ	2					
	Mechanics I GÜ 2		Advanced Mechanical Engineering VL 2	Design II	2					
22	Mechanics I HÜ 1		Design I	Mechanical Engineering: Design (part 2)						
			Advanced Mechanical Engineering HÜ 2	Team Project Design Methodology PBL	2					
23			Design I	Mechanical Design Project II PBL						
24			Mechanical Engineering: Design (part 1)							
25		Mathematics II	Embodiment Design and 3D-CAD VL 2	Fundamentals of Materials Science (part 2	2)		Computer Science for En	gineers -		
26		Linear Algebra II VL 2	Introduction and Practical Training	Fundamentals of Materials Science II VL			Programming Concepts,			
		Linear Algebra II GÜ 1	Mechanical Design Project I PBL 3				Communication			
27	Computer Science for Engineers -	Linear Algebra II HÜ 1	Fundamentals of Materials Science (part 1)				Computer Science for Engin			
28	Introduction and Overview	Analysis II VL 2	Fundamentals of Materials Science I VL 2				Programming Concepts, Date Communication	a Handling &		
29	Computer Science for Engineers - VL 3 Introduction and Overview	Analysis II HÜ 1	Physical and Chemical Basics of Materials VL 2				Communication  Computer Science for Engin	eers - GÜ 2		
	Computer Science for Engineers - GÜ 2	Analysis II GÜ 1	Science				Programming Concepts, Dat			
30	Introduction and Overview						Communication			
31										
32										
32										
	Non-technical Courses for Bachelors (fr	om catalogue) - 6LP								

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