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

		-		(7))	Core Qualification Compulsory Speciali Core Qualification Elective Compulsory Speciali	sation Compulsory Focus Compulsory sation Elective Compulsory Focus Elective Compuls	Thesis Compulsory ory Interdisciplinary complement
	e course plan B Bachelor Gener lisation Mechanical Engineering			(7))		I	
pecia	lisation Mechanical Engineering	, Focus Theoretical Mechanical	Engineering				
1 2 3 4 5 6	Chemistry I+II VL 4 Chemistry I+II HÜ 2	Electrical Engineering II: Alternating Current           Networks and Basic Devices         Electrical Engineering II: Alternating         VL         3           Current Networks and Basic Devices         Electrical Engineering II: Alternating         GÜ         2           Current Networks and Basic Devices         Electrical Engineering II: Alternating         GÜ         2	Technical Thermodynamics II     VL     2       Technical Thermodynamics II     HÜ     1       Technical Thermodynamics II     GÜ     1	Signals and Systems VL 3 Signals and Systems VL 3 Signals and Systems GÜ 2	Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2	Foundations of Management VL 3 Introduction to Management VL 3 Management Tutorial GÜ 2	Advanced Internship AIW/ ES Advanced Internship AIW/ ES: SE Preparation Advanced Intenship AIW/ ES: Internship- accompanying Seminar
7	Electrical Engineering I: Direct Current	Fundamentals of Mechanical Engineering	Mathematics III	Fluid Dynamics	Measurement Technology for Mechanical	Modeling, Simulation and Optimization (EN)	
8	Networks and Electromagnetic Fields	Design	Analysis III VL 2	Fluid Mechanics VL 3	Engineers	Modeling, Simulation and Optimization IV 4	
9	Electrical Engineering I: Direct Current VL 3	Fundamentals of Mechanical Engineering VL 2	Analysis III GŪ 1	Fluid Mechanics HÜ 2	Measurement Technology for Mechanical VL 2		
	Networks and Electromagnetic Fields Electrical Engineering I: Direct Current GÜ 2	Design Fundamentals of Mechanical Engineering HÜ 2	Analysis III HÜ 1 Differential Equations 1 VL 2		Engineering Measurement Technology for Mechanical PR 2		
10	Networks and Electromagnetic Fields	Design	Differential Equations 1 VL 2 Differential Equations 1 GŪ 1		Engineering		
11			Differential Equations 1 HÜ 1		Practical Course: Measurement and PR 2		
12					Control Systems		
13	Mathematics I	Technical Thermodynamics I		Computational Mechanics	Numerical Mathematics I	Electrical Machines and Actuators	
14	Linear Algebra I VL 2 Linear Algebra I GÜ 1	Technical Thermodynamics I VL 2		Computational Multibody Dynamics IV 2 Computational Mechanics GŪ 2	Numerical Mathematics I VL 2 Numerical Mathematics I GÜ 2	Electrical Machines and Actuators VL 3 Electrical Machines and Actuators HÜ 2	
15	Linear Algebra I GÜ 1 Linear Algebra I HÜ 1	Technical Thermodynamics I HÜ 1 Technical Thermodynamics I GÜ 1	Engineering Mechanics III (Dynamics)	Computational Mechanics GŪ 2 Computational Stuctural Mechanics IV 2	Numerical Mathematics I GÜ 2	Electrical Machines and Actuators HU 2	
16	Analysis I VL 2		Engineering Mechanics III VL 3				
17	Analysis I GŪ 1		Engineering Mechanics III GÜ 2 Engineering Mechanics III HÜ 1				
18	Analysis I HÜ 1		Engineering Mechanics III HO I				
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	Such chore mess
		Mechanics II GŪ 2		Advanced Mechanical Engineering VL 2	Heat Transfer HÜ 2	Machine Learning I GÜ 3	
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 GŪ 2		Advanced Mechanical Engineering VL 2	Design II			
22	Mechanics I HÜ 1		Design I	Mechanical Engineering: Design (part 2)			
23			Advanced Mechanical Engineering HÜ 2 Design I	Team Project Design Methodology PBL 2			
24			Mechanical Engineering: Design (part 1)	Mechanical Design Project II PBL 3			
25		Mathematics II	Embodiment Design and 3D-CAD VL 2	Fundamentals of Materials Science (part 2)		Computer Science for Engineers -	
26		Linear Algebra II VL 2	Introduction and Practical Training	Fundamentals of Materials Science (Jart 2)		Programming Concepts, Data Handling &	
20	Commuter Colores for Earlinger	Linear Algebra II GÜ 1	Mechanical Design Project I PBL 3		1	Communication	
	Computer Science for Engineers - Introduction and Overview	Linear Algebra II HÜ 1 Analysis II VL 2	Fundamentals of Materials Science (part 1) Fundamentals of Materials Science I VL 2			Computer Science for Engineers - VL 3 Programming Concepts, Data Handling &	
28	Computer Science for Engineers - VL 3	Analysis II VL 2 Analysis II HÜ 1	Physical and Chemical Basics of Materials VL 2			Communication	
29	Introduction and Overview	Analysis II GŪ 1	Science			Computer Science for Engineers - GŪ 2	
30	Computer Science for Engineers - GŪ 2 Introduction and Overview					Programming Concepts, Data Handling & Communication	
31							
32							
	Non-technical Courses for Bachelors (fi	rom catalogue) - 6LP					

Non-technical Courses for Bachelors (from 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.