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

_	,				Core Qualification Compulsory Specialis	isation Compulsory Focus Compulsory	Thesis Compulsory
Sample	e course plan B Bachelor Gener	al Engineering Science (Germa	n program, 7 semester) (AIWB	S(7))	Core Qualification Elective Compulsory Specialis	isation Elective Compulsory Focus Elective Compuls	ory Interdisciplinary complement
Special	isation Mechanical Engineering	, Focus Aircraft Systems Engine	ering				
1	Chamber -	Figure 1 Figure 1 and 1		Clouds and Contains	Internet and an exception of Constants	Foundations of Monorman	Advanced between the ADW/ FC
	Chemistry Chemistry I+II VL 4	Electrical Engineering II: Alternating Current Networks and Basic Devices	Technical Thermodynamics II Technical Thermodynamics II VL 2	Signals and Systems Signals and Systems VL 3	Introduction to Control Systems Untroduction to Control Systems VL 2	Foundations of Management Introduction to Management VL 3	Advanced Internship AIW/ ES Advanced Internship AIW/ ES: SE 1
2	Chemistry I+II VL 4 Chemistry I+II HÜ 2	Electrical Engineering II: Alternating VL 3	Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1	Signals and Systems VL 3 Signals and Systems GŪ 2	Introduction to Control Systems VL 2 Introduction to Control Systems GŪ 2	Management Tutorial GŪ 2	Preparation
3	chemistry in 10 2	Current Networks and Basic Devices	Technical Thermodynamics II GŪ 1	Signals and Systems 00 2	Introduction to control systems 66 2	Management rutonar 00 2	Advanced Intenship AIW/ ES: Internship- SE 1
4		Electrical Engineering II: Alternating GÜ 2					accompanying Seminar
		Current Networks and Basic Devices					
5							
6							
7	Electrical Engineering I: Direct Current	Fundamentals of Mechanical Engineering	Mathematics III	Fluid Dynamics	Measurement Technology for Mechanical	Integrated Product Development and	
0	Networks and Electromagnetic Fields	Design	Analysis III VL 2	Fluid Mechanics VL 3	Engineers	Lightweight Design	
8	Electrical Engineering I: Direct Current VL 3	Fundamentals of Mechanical Engineering VL 2	Analysis III GÜ 1	Fluid Mechanics HÜ 2	Measurement Technology for Mechanical VL 2	Integrated Product Development I VL 2	
9	Networks and Electromagnetic Fields	Design	Analysis III HÜ 1		Engineering	Development of Lightweight Design VL 2	
10	Electrical Engineering I: Direct Current GÜ 2	Fundamentals of Mechanical Engineering HÜ 2	Differential Equations 1 VL 2		Measurement Technology for Mechanical HÜ 1	Products	
11	Networks and Electromagnetic Fields	Design	Differential Equations 1 GŪ 1		Engineering	CAE-Team Project PBL 2	
			Differential Equations 1 HÜ 1		Practical Course: Measurement and PR 2		
12					Control Systems		
13	Mathematics I	Technical Thermodynamics I		Mechanics IV (Oscillations, Analytical	Advanced Mechanical Design Project	Aeronautical Systems	
14	Linear Algebra I VL 2	Technical Thermodynamics I VL 2		Mechanics, Multibody Systems, Numerical	Advanced Mechanical Design Project PBL 4	Air Transportation Systems VL 2	
	Linear Algebra I GÜ 1	Technical Thermodynamics I HÜ 1		Mechanics)		Fundamentals of Aircraft Systems VL 2	
15	Linear Algebra I HÜ 1	Technical Thermodynamics I GÜ 1	Mechanics III (Dynamics)	Mechanics IV VL 3		Fundamentals of Aircraft Systems GÜ 1	
16	Analysis I VL 2		Mechanics III VL 3 Mechanics III GŪ 2	Mechanics IV GÜ 2 Mechanics IV HÜ 1		Air Transportation Systems HÜ 1	
17	Analysis I GŪ 1		Mechanics III GŪ 2 Mechanics III HÜ 1	Mechanics IV HÜ 1			
18	Analysis I HÜ 1		Heridings in The L				
19		Mechanics II: Mechanics of Materials		Advanced Mechanical Engineering Design	Computer Engineering	Fundamentals of Production and Quality	Bachelor Thesis
20		Mechanics II VL 2 Mechanics II GÜ 2		(part 2) Advanced Mechanical Engineering VL 2	Computer Engineering VL 3 Computer Engineering GÜ 1	Management Production Process Organization VL 2	
21	Mechanics I (Statics)	Mechanics II GO 2 Mechanics II HÜ 2	Advanced Mechanical Engineering Design	Design II	Computer Engineering GO 1	Quality Management VL 2	
	Mechanics I VL 2		(part 1)	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			
			-	Mechanical Design Project II PBL 3			
24			Mechanical Engineering: Design (part 1)				
25		Mathematics II	Embodiment Design and 3D-CAD VL 2 Mechanical Design Project I PBL 3	Fundamentals of Materials Science (part 2)	Numerical Mathematics I		
26		Linear Algebra II VL 2	Mechanical Design Project i PBL 3	Fundamentals of Materials Science II VL 2	Numerical Mathematics I VL 2		
27	Programming in C	Linear Algebra II GÜ 1	Fundamentals of Materials Science (part 1)		Numerical Mathematics I GŪ 2		
	Programming in C VL 1	Linear Algebra II HÜ 1	Fundamentals of Materials Science (part 1) Fundamentals of Materials Science I VL 2				
28	Programming in C PR 1	Analysis II VL 2 Analysis II HÜ 1	Physical and Chemical Basics of Materials VL 2				
29		Analysis II HÜ 1 Analysis II GÜ 1	Science				
	Physics for Engineers (AIW) Physics for Engineers VL 2	GU I					
30	Physics for Engineers GŪ 1						
31	,						
32							
	Non-technical Courses for Bachelors (from catalogue) - 6LP						
	Non-technical Courses for Bachelors (non-catalogue) - oth						

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