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

	,				Core Qualification Compulsory Special	isation Compulsory Focus Compulsory	Thesis Compulsory
Sample	e course plan A Bachelor Gener	ral Engineering Science (Germa	n program, 7 semester) (AIWBS	5(7))	Core Qualification Elective Compulsory Special	isation Elective Compulsory Focus Elective Compulsor	ory Interdisciplinary complement
Special	lisation Mechanical Engineering	, Focus Product Development a	nd Production				
1	Chemistry	Electrical Engineering II: Alternating Current	Technical Thermodynamics II	Signals and Systems	Introduction to Control Systems	Foundations of Management	Advanced Internship AIW/ ES
	Chemistry 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 AlW/ ES Advanced Internship AlW/ ES: SE 1
2	Chemistry I+II HÜ 2	Electrical Engineering II: Alternating VL 3	Technical Thermodynamics II HÜ 1	Signals and Systems GŪ 2	Introduction to Control Systems GÜ 2	Management Tutorial GŪ 2	Preparation SE 1
3		Current Networks and Basic Devices	Technical Thermodynamics II GŪ 1	Signals and Systems 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	
8	Networks and Electromagnetic Fields	Design	Analysis III VL 2	Fluid Mechanics VL 3	Engineers	Lightweight Design	
-	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 Practical Course: Measurement and PR 2	CAE-Team Project PBL 2	
			Differential Equations 1 HÜ 1		Control Systems		
12							
13	Mathematics I	Technical Thermodynamics I		Mechanics IV (Oscillations, Analytical	Advanced Mechanical Design Project	Fundamentals of Production and Quality	
14	Linear Algebra I VL 2	Technical Thermodynamics I VL 2		Mechanics, Multibody Systems, Numerical	Advanced Mechanical Design Project PBL 4	Management	
15	Linear Algebra I GÜ 1	Technical Thermodynamics I HÜ 1	Mechanics III (Dynamics)	Mechanics) Mechanics IV VL 3		Production Process Organization VL 2	
	Linear Algebra I HÜ 1	Technical Thermodynamics I GŪ 1	Mechanics III (Dynamics) Mechanics III VL 3	Mechanics IV VL 3 Mechanics IV GŪ 2		Quality Management VL 2	
16	Analysis I VL 2 Analysis I GÜ 1		Mechanics III GŪ 2	Mechanics IV HÜ 1			
17	Analysis I GÜ 1 Analysis I HÜ 1		Mechanics III HÜ 1				
18							
19		Mechanics II: Mechanics of Materials		Advanced Mechanical Engineering Design	Production Engineering (part 1)	Draduction Engineering (part 2)	Bachelor Thesis
		Mechanics II Wechanics of Materials VL 2		(part 2)	Production Engineering (part 1) VL 2	Production Engineering (part 2) Production Engineering II VL 2	bachelor mesis
20		Mechanics II GŪ 2		Advanced Mechanical Engineering VL 2	Production Engineering I HÜ 1	Production Engineering II HÜ 1	
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		Advanced Mechanical Engineering VL 2	Design II			
22	Mechanics I HÜ 1		Design I Advanced Mechanical Engineering HÜ 2	Mechanical Engineering: Design (part 2)	Production Technology		
23			Design I	Team Project Design Methodology PBL 2	Forming and Cutting Technology VL 2		
24			Mechanical Engineering: Design (part 1)	Mechanical Design Project II PBL 3	Forming and Cutting Technology HÜ 1		
			Embodiment Design and 3D-CAD VL 2		Fundamentals of Machine Tools VL 2		
25		Mathematics II	Mechanical Design Project I PBL 3	Fundamentals of Materials Science (part 2)	Fundamentals of Machine Tools HÜ 1		
26		Linear Algebra II VL 2		Fundamentals of Materials Science II VL 2			
27	Programming in C	Linear Algebra II GÜ 1 Linear Algebra II HÜ 1	Fundamentals of Materials Science (part 1)				
28	Programming in C VL 1	Analysis II VL 2	Fundamentals of Materials Science I VL 2		Commuter Facility and		
20	Programming in C PR 1	Analysis II HÜ 1	Physical and Chemical Basics of Materials VL 2		Computer Engineering VL 3		
29	Physics for Engineers (AIW)	Analysis II GŪ 1	Science		Computer Engineering VL 3 Computer Engineering GÜ 1		
30	Physics for Engineers VL 2						
	Physics for Engineers GÜ 1			1			
31							
32							
33							
	New basheries (Guerran for Dank share) (10						
	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.