Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w19)

	•		-					lisation Compulsory Focus Co		Thesis Compulsory
	•		al Engineering Science (Germa	an program, 7 semester) (A	AIWBS	5(7))	Core Qualification Elective Compulsory Specia	lisation Elective Compulsory Focus Ele	ective Compulso	Interdisciplinary complement
Specia	lisation Mechanical Engine	eering	Focus Energy Systems							
1	Chemistry		Electrical Engineering II: Alternating Current	Technical Thermodynamics II		Signals and Systems	Introduction to Control Systems	Foundations of Management		Advanced Internship AIW/ ES
2	Chemistry I	VL 2	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 1
3		VL 2	Electrical Engineering II: Alternating VL 3	· ·	HÜ 1	Signals and Systems GÜ 2	Introduction to Control Systems GŪ 2	Management Tutorial	GÜ 2	Preparation
		HÜ 1 HÜ 1	Current Networks and Basic Devices  Electrical Engineering II: Alternating GÜ 2	Technical Thermodynamics II G	5Ü 1					Advanced Intenship AIW/ ES: Internship- SE 1 accompanying Seminar
4	Chemistry II	HU I	Current Networks and Basic Devices							accompanying Schman
5										
6										
7	Electrical Engineering I: Direct Current	t	Fundamentals of Mechanical Engineering	Mathematics III		Fluid Dynamics	Measurement Technology for Mechanical	Electrical Machines and Actuators		
8	Networks and Electromagnetic Fields		Design		VL 2	Fluid Mechanics VL 3	Engineers	Electrical Machines and Actuators	VL 3	
9	Electrical Engineering I: Direct Current  Networks and Electromagnetic Fields	VL 3	Fundamentals of Mechanical Engineering VL 2		GÜ 1	Fluid Mechanics HÜ 2	Measurement Technology for Mechanical VL 2 Engineering	Electrical Machines and Actuators	HÜ 2	
-	Electrical Engineering I: Direct Current (	GŪ 2	Design  Fundamentals of Mechanical Engineering HÜ 2		HÜ 1 VL 2		Measurement Technology for Mechanical HÜ 1			
10	Networks and Electromagnetic Fields		Design		VL 2 SÜ 1		Engineering			
11				· ·	HÜ 1		Practical Course: Measurement and PR 2			
12							Control Systems			
13	Mathematics I		Technical Thermodynamics I			Mechanics IV (Oscillations, Analytical	Advanced Mechanical Engineering Design	Advanced Mechanical Engineering	Design	
14		VL 2	Technical Thermodynamics I VL 2			Mechanics, Multibody Systems, Numerical	(part 1)	(part 2)		
15		GÜ 1 HÜ 1	Technical Thermodynamics I HÜ 1 Technical Thermodynamics I GÜ 1	Mechanics III (Dynamics)		Mechanics)  Mechanics IV VL 3	Advanced Mechanical Engineering VL 2  Design I	Advanced Mechanical Engineering  Design II	VL 2	
15		VL 2	Technical Thermodynamics I GU 1		VL 3	Mechanics IV GÜ 2	Advanced Mechanical Engineering HÜ 2	Advanced Mechanical Engineering	HÜ 2	
		GŪ 1		Mechanics III G	GÜ 2	Mechanics IV HÜ 1	Design I	Design II		
16	Analysis I	HÜ 1		Mechanics III	HÜ 1		Heat Transfer	Reciprocating Machinery (part 2)		
17							Heat Transfer VL 3	Internal Combustion Engines I	VL 2	
18							Heat Transfer HÜ 2	Internal Combustion Engines I	HÜ 1	
19			Mechanics II: Mechanics of Materials			Mechanical Engineering: Design (part 2)				Bachelor Thesis
20			Mechanics II VL 2			Team Project Design Methodology PBL 2				Dacticioi Tilesis
-			Mechanics II GÜ 2			Mechanical Design Project II PBL 3				
21	Mechanics I (Statics)  Mechanics I	VL 2	Mechanics II HÜ 2	Computer Engineering Computer Engineering	VL 3					
22		GÜ 2			VL 3	Fundamentals of Materials Science (part 2)	Reciprocating Machinery (part 1)			
23		HÜ 1				Fundamentals of Materials Science II VL 2	Fundamentals of Reciprocating Engines VL 1 and Turbomachinery - Part Reciprocating			
							Engines			
							Fundamentals of Reciprocating Engines HÜ 1			
							and Turbomachinery - Part Reciprocating Engines			
24							Computational Fluid Dynamics I			
							Computational Fluid Dynamics I  Computational Fluid Dynamics I VL 2			
25			Mathematics II  Linear Algebra II VL 2				Computational Fluid Dynamics I HÜ 2			
26			Linear Algebra II GÜ 1							
27	Programming in C		Linear Algebra II HÜ 1	Mechanical Engineering: Design (part 1						
28		VL 1	Analysis II VL 2		VL 2					
20		PR 1	Analysis II HÜ 1	Mechanical Design Project I Pr	BL 3					
29	Physics for Engineers (AIW)  Physics for Engineers	VL 2	Analysis II GÜ 1							
30		GÜ 1		Fundamentals of Materials Science (pa			Numerical Mathematics I			
31				Fundamentals of Materials Science I \ Physical and Chemical Basics of Materials \	VL 2		Numerical Mathematics I VL 2  Numerical Mathematics I GÜ 2			
32				Science Science	2		Numerical Platferhaues i			
33										
34	1					•				
35	-									
33										
	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.