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

	•	-						Core Qualification Compulsory		ation Compulsory	Focus Compulsory	Thesis Compulsory	
ample	course plan - Bachelor Genera	al Engineering Science (C	German	program, 7 semester) ((AIWBS(7))		Core Qualification Elective Compuls	ory Specialis	ation Elective Compulsory	Focus Elective Compulso	ory Interdisciplinary comple	lement
pecial	isation₁Mechanical Engineering	. Focus₂Biomechanics	FormHrs/wk	Semester 3	FormHrs/wk	Semester 4	FormHrs/wk	Semester 5	FormHrs/wk	Semester 6	FormHrs/wk	Semester 7	FormHrs/
1	Chemistry	Electrical Engineering II: Alternating	Current	Technical Thermodynamics II		Signals and Systems		Introduction to Control Systems		Foundations of Managem	ent	Advanced Internship AIW/ ES	
	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	t VL 3	Advanced Internship AIW/ ES:	SE 1
2	Chemistry II VL 2	Electrical Engineering II: Alternating	VL 3	Technical Thermodynamics II	HÜ 1	Signals and Systems	GŪ 2	Introduction to Control Systems	GŪ 2	Management Tutorial	GŪ 2	Preparation	
3	Chemistry I HÜ 1	Current Networks and Basic Devices		Technical Thermodynamics II	GÜ 1							Advanced Intenship AIW/ ES: Internshi	hip- SE 1
	Chemistry II HÜ 1	Electrical Engineering II: Alternating	GŪ 2	recimed memodynamics ii	00 1							accompanying Seminar	
+	Chemistry II	Current Networks and Basic Devices											
5													
6													
7	Electrical Engineering I: Direct Current	Fundamentals of Mechanical Enginee	erina	Mathematics III		Fluid Dynamics		Computer Engineering		Advanced Materials			
	Networks and Electromagnetic Fields	Design	5	Analysis III	VL 2	Fluid Mechanics	VL 3	Computer Engineering	VL 3	Advanced Materials Characte	erization VL 2		
3	Electrical Engineering I: Direct Current VL 3	Fundamentals of Mechanical Engineering	VL 2	Analysis III	GÜ 1	Fluid Mechanics	HÜ 2	Computer Engineering	GÜ 1	Advanced Materials Design	VL 2		
9	Networks and Electromagnetic Fields	Design		Analysis III	HÜ 1	ridia mechanics	110 2	Computer Engineering	00 1	Advanced Materials Design	HÜ 2		
10	Electrical Engineering I: Direct Current GÜ 2	Fundamentals of Mechanical Engineering	HÜ 2	Differential Equations 1	VL 2					Advanced Materials Design	110 2		
10	Networks and Electromagnetic Fields	Design		Differential Equations 1	GÜ 1								
11				Differential Equations 1	HÜ 1								
12				Differential Equations 1	HU I								
13	Mathematics I	Technical Thermodynamics I				Mechanics IV (Oscillations, Analytic		Measurement Technology for Mecha	anical	MED II: Introduction to Ph			
14	Linear Algebra I VL 2	Technical Thermodynamics I	VL 2			Mechanics, Multibody Systems, Nur Mechanics)	nericai	Engineers		Introduction to Physiology	VL 2		
L5	Linear Algebra I GŪ 1	Technical Thermodynamics I	HÜ 1	Machanica III (Dynamica)		Mechanics IV	VL 3	Measurement Technology for Mechanica	II VL 2				
	Linear Algebra I HÜ 1	Technical Thermodynamics I	GÜ 1	Mechanics III (Dynamics) Mechanics III	VL 3	Mechanics IV	GÜ 2	Engineering Measurement Technology for Mechanica					
16	Analysis I VL 2			Mechanics III	GÜ 2	Mechanics IV	HÜ 1	Engineering	II HU I	BIO I: Experimental Metho	ods in Biomechanics		
17	Analysis I GÜ 1			Mechanics III	HÜ 1	Mechanics IV	HU I	Practical Course: Measurement and	PR 2	Experimental Methods in Bio	mechanics VL 2		
	Analysis I HÜ 1			Mechanics III	HU I			Control Systems	111 2				
18								·					
19		Mechanics II: Mechanics of Materials				MED I: Introduction to Anatomy		Numerical Mathematics I				Bachelor Thesis	
20		Mechanics II	VL 2			Introduction to Anatomy	VL 2	Numerical Mathematics I	VL 2				
21	Mechanics I (Statics)	Mechanics II	GŪ 2	Mechanical Engineering: Design (par	us 1)			Numerical Mathematics I	GŪ 2				
	Mechanics I (Statics) VL 2	Mechanics II	HÜ 2	Embodiment Design and 3D-CAD	VL 2								
22	Mechanics I GÜ 2			Mechanical Design Project I	PBL 3	MED I: Introduction to Radiology an	d						
23	Mechanics I HÜ 1			Mechanical Design Project I	FDL 3	Radiation Therapy							
	Mechanics i no 1					Introduction to Radiology and Radiation	VL 2						
24				Fundamentals of Materials Science (Therapy							
25		Mathematics II			VL 2	Mechanical Engineering: Design (pa	rt 2)	MED II: Introduction to Biochemistry	y and				
26		Linear Algebra II	VL 2	Physical and Chemical Basics of Materials	ls VL 2	Team Project Design Methodology	PBL 2	Molecular Biology					
		Linear Algebra II	GÜ 1	Science		Mechanical Design Project II	PBL 3	Introduction to Biochemistry and	VL 2				
27	Programming in C	Linear Algebra II	HÜ 1					Molecular Biology					
28	Programming in C VL 1	Analysis II	VL 2	Advanced Mechanical Engineering D	Design	Fundamentals of Materials Science	(part 2)	BIO I: Implants and Fracture Healing	g				
	Programming in C PR 1	Analysis II	HÜ 1	(part 1)		Fundamentals of Materials Science II	VL 2	Implants and Fracture Healing	VL 2				
29	Physics for Engineers (AIW)	Analysis II	GÜ 1	Advanced Mechanical Engineering	VL 2								
30	Physics for Engineers VL 2			Design I		Advanced Mechanical Engineering I	Doeign						
50	Physics for Engineers GÜ 1			Advanced Mechanical Engineering	HÜ 2	(part 2)	resign						
				Design I		Advanced Mechanical Engineering	VL 2						
31						Design II	VL Z						
						Advanced Mechanical Engineering	HÜ 2						
32						Design II	2						
	Non technical Courses for Pashalars (fr	rom catalogue) 6LB											
	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.