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

-							Core Qualification Compulsory Spe	cialisation Compulsory	Focus Compulsory	Thesis Compulsory
mple course plan - Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7))						Core Qualification Elective Compulsory Spe	cialisation Elective Compulsory	Focus Elective Compute	sory Interdisciplinary complement	
ecialisation Biomedical	Engineerin	1								
Chemistry	-	Electrical Engineering II: Alternating Cu	rrent Technical Thermodynamics II		Signals and Systems		Introduction to Control Systems	Foundations of Manage	ment	Advanced Internship AIW/ ES
Chemistry I+II	VL 4	Networks and Basic Devices	Technical Thermodynamics II	VL 2	Signals and Systems	VL 3	Introduction to Control Systems VL			Advanced Internship AIW/ ES: SE
Chemistry I+II	HÜ 2	Electrical Engineering II: Alternating V	3 Technical Thermodynamics II	HÜ 1	Signals and Systems	GÜ 2	Introduction to Control Systems GÜ	2 Management Tutorial	GŪ 2	Preparation
		Current Networks and Basic Devices	Technical Thermodynamics II	GŪ 1						Advanced Intenship AIW/ ES: Internship- SE
			Ĵ 2							accompanying Seminar
		Current Networks and Basic Devices								
_										
Electrical Engineering I: Dir		Fundamentals of Mechanical Engineering	g Mathematics III		Fluid Dynamics		Mechanical Engineering: Design (part 1)	Introduction into Medic	al Technology and	
Networks and Electromagne		Design	Analysis III	VL 2	Fluid Mechanics	VL 3	Embodiment Design and 3D-CAD VL			
Electrical Engineering I: Direct		Fundamentals of Mechanical Engineering V		GÜ 1	Fluid Mechanics	HÜ 2	Introduction and Practical Training	Introduction into Medical T	echnology and VL 2	
Electrical Englandian I. Directo		Design Fundamentals of Mechanical Engineering H	Analysis III	HÜ 1			Mechanical Design Project I PBL	3 Systems Introduction into Medical T	Technology and PS 2	
0 Networks and Electromagnetic		Design	billerendur Equations 1	VL 2			Numerical Mathematics I	Systems	eennology and PS 2	
.1		g	Differential Equations 1	GŪ 1 HÜ 1			Numerical Mathematics I VL	Introduction into Medical T	echnology and HÜ 1	
2			Differential Equations 1	HU I			Numerical Mathematics I GÜ	2 Systems		
3 Mathematics I		Technical Thermodynamics I			Mechanics IV (Oscillations, Analytic			MED II: Introduction to		
4 Linear Algebra I	VL 2		L 2		Mechanics, Multibody Systems, Nur Mechanics)	nerical		Introduction to Physiology	VL 2	
5 Linear Algebra I	GÜ 1 HÜ 1) 1) 1 Mechanics III (Dynamics)		Mechanics IV	VL 3				
Linear Aigebra i	VL 2	Technical Thermodynamics T	Mechanics III	VL 3	Mechanics IV	GŪ 2				
Analysis I	GŪ 1		Mechanics III	GŪ 2	Mechanics IV	HÜ 1	Heat Transfer Heat Transfer VL	BIO I: Experimental Met Experimental Methods in E		
.7 Analysis I	HÜ 1		Mechanics III	HÜ 1			Heat Transfer VL -		siomecnanics VL 2	
8								•		
9		Mechanics II: Mechanics of Materials			MED I: Introduction to Anatomy			Mechanical Engineering	: Design (part 2)	Bachelor Thesis
0		Mechanics II V	L 2		Introduction to Anatomy	VL 2		Team Project Design Meth	odology PBL 2	
) 2					Mechanical Design Project	II PBL 3	
1 Mechanics I (Statics)	VL 2	Mechanics II H	2 Computer Engineering							
2 Mechanics I Mechanics I	VL 2 GŪ 2		Computer Engineering Computer Engineering	VL 3 GŪ 1	MED I: Introduction to Radiology an	d	Measurement Technology for Mechanical			
3 Mechanics I	HÜ 1		computer Engineering	00 1	Radiation Therapy		Engineers			
4					Introduction to Radiology and Radiation Therapy	VL 2	Measurement Technology for Mechanical VL 2 Engineering	2		
							Measurement Technology for Mechanical HÜ	1		
5		Mathematics II			Fundamentals of Materials Science		Engineering			
6			L 2 D 1		Fundamentals of Materials Science II	VL 2	Practical Course: Measurement and PR	2		
7 Programming in C		Linear Algebra II Gi		ence (part 1)			Control Systems			
8 Programming in C	VL 1	Analysis II V		I VL 2			MED II: Introduction to Biochemistry and			
Programming in C	PR 1	Analysis II H	1 Physical and Chemical Basics of Ma	aterials VL 2			Meb II: Introduction to Biochemistry and Molecular Biology			
9 Physics for Engineers (AIW)		Analysis II Gi	0 1 Science				Introduction to Biochemistry and VL	2		
Physics for Engineers	VL 2						Molecular Biology			
Physics for Engineers	GŪ 1									
							BIO I: Implants and Fracture Healing			
1							Implants and Fracture Healing VL	2		
2										

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