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

	course plan A Bachelor G			s (=gs	program, r semester,	, ,,	. , , ,							
cial	lisation Biomedical Enginee	ring	Semester 2	FormHrs/wk	Semester 3	FormHrs/wk	Semester 4	FormHrs/wk	Semester 5	FormHrs/wk	Semester 6	FormHrs/wk	Semester 7	FormHi
	Chemistry (GES)		Technical Thermodynamics I		Technical Thermodynamics II		Fundamentals of Materials Science	(part 2)	Introduction to Control Systems		Foundations of Management		Advanced Internship AIW/ ES	
	Chemistry I VL	2	Technical Thermodynamics I	VL 2	Technical Thermodynamics II	VL 2	Fundamentals of Materials Science II	VL 2	Introduction to Control Systems	VL 2	Introduction to Management	VL 3	Advanced Internship AIW/ ES:	SE
	Chemistry II VL		Technical Thermodynamics I	HÜ 1	Technical Thermodynamics II	HÜ 1			Introduction to Control Systems	GÜ 2	Management Tutorial	GŪ 2	Preparation	
	Chemistry I HÜ		Technical Thermodynamics I	GÜ 1	Technical Thermodynamics II	GÜ 1	Signals and Systems Signals and Systems	VL 3					Advanced Intenship AIW/ ES: Internsi accompanying Seminar	hip- SE
	Chemistry II HÜ	1					Signals and Systems	GÜ 2					accompanying Seminar	
							Signals and Systems	00 2						
	Linear Algebra		Mathematical Analysis		Mathematics III				Mechanical Engineering: Design (pa	rt 1)	Mechanical Engineering: Des	ign (part 2)		
	Linear Algebra VL	4	Mathematical Analysis	VL 4	Analysis III	VL 2			Embodiment Design and 3D-CAD	VL 2	Team Project Design Methodolog	gy PBL 2		
	Linear Algebra HÜ	2	Mathematical Analysis	HÜ 2	Analysis III	GÜ 1			Mechanical Design Project I	PBL 3	Mechanical Design Project II	PBL 3		
	Linear Algebra GÜ	2	Mathematical Analysis	GÜ 2	Analysis III	HÜ 1	Fluid Dynamics							
)					Differential Equations 1	VL 2	Fluid Mechanics	VL 3	Numerical Mathematics I		Introduction into Medical Te	chnology and		
1					Differential Equations 1	GÜ 1	Fluid Mechanics	HÜ 2	Numerical Mathematics I	VL 2	Systems			
2					Differential Equations 1	HÜ 1			Numerical Mathematics I	GÜ 2	Introduction into Medical Technol Systems	ology and VL 2		
3											Introduction into Medical Techno	ology and PS 2		
											Systems			
4											Introduction into Medical Techno	ology and HÜ 1		
5	Electrical Engineering I		Electrical Engineering II		Engineering Mechanics III (GES)		Mechanics IV (Oscillations, Analytic	:al			Systems			
6	Electrical Engineering I VL	3	Electrical Engineering II	VL 3	Mechanics III	HÜ 1	Mechanics, Multibody Systems, Nu	merical	Heat Transfer		MED II: Introduction to Physi	ology		
	Electrical Engineering I GÜ	2	Electrical Engineering II	GÜ 2	Mechanics III	GÜ 2	Mechanics)		Heat Transfer	VL 3	Introduction to Physiology	VL 2		
7					Mechanics III	VL 3	Mechanics IV Mechanics IV	VL 3 GŪ 2	Heat Transfer	HÜ 2				
В							Mechanics IV	HÜ 1						
9							riceitanies iv				BIO I: Experimental Methods	in Biomechanics	Bachelor Thesis	
0											Experimental Methods in Biome	chanics VL 2		
1	Mechanics I (GES)		Mechanics II (GES)		Computer Engineering		MED I: Introduction to Anatomy							
	Mechanics I (GES)	2	Mechanics II (GES)	VL 2	Computer Engineering Computer Engineering	VL 3	Introduction to Anatomy	VL 2						
2	Mechanics I HÜ		Mechanics II	HÜ 2	Computer Engineering	GÜ 1	,		Measurement Technology for Mecha	anical				
3					,				Engineers Measurement Technology for Mechanica	J VI 2				
4							MED I: Introduction to Radiology as	ıd	Engineering	II VL Z				
-							Radiation Therapy		Measurement Technology for Mechanica	ıl HÜ 1				
5							Introduction to Radiology and Radiation	ı VL 2	Engineering					
6							Therapy		Practical Course: Measurement and	PR 2				
7	Programming in C		Fundamentals of Mechanical Eng	ineering	Fundamentals of Materials Science	e (part 1)			Control Systems					
В	Programming in C VL	1	Design (GES)		Fundamentals of Materials Science I	VL 2			MED II: Introduction to Biochemistry	and				
-	Programming in C PR	1	Fundamentals of Mechanical Enginee	-	Physical and Chemical Basics of Mate	rials VL 2			Molecular Biology					
9	Physics for Engineers (GES)		Fundamentals of Mechanical Enginee	ring GÜ 2	Science				Introduction to Biochemistry and	VL 2				
)	Physics for Engineers VL	2							Molecular Biology					
	Physics for Engineers GÜ	1												
1									BIO I: Implants and Fracture Healing Implants and Fracture Healing					
2									implants and Fracture Healing	VL 2				
3														

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