Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w22)

ple	e course plan - Bachelor Genera	al Engineering Science (German	program, 7 semester) (AIWBS	(7))	Core Qualification Elective Compulsory Special	lisation Elective Compulsory Focus Elective Compuls	ory Interdisciplinary complement
•	lisation Biomedical Engineering	J 12g 11.11 (90		\			
iu	isation Biomedical Engineering						
	Chemistry	Electrical Engineering II: Alternating Current	Technical Thermodynamics II	Signals and Systems	Introduction to Control Systems	Foundations of Management	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 2	Introduction to Management VL 3	
	Chemistry I+II HÜ 2	Electrical Engineering II: Alternating VL 3	Technical Thermodynamics II HÜ 1	Signals and Systems GÜ 2	Introduction to Control Systems GÜ 2	Management Tutorial GÜ 2	
		Current Networks and Basic Devices	Technical Thermodynamics II GÜ 1				
		Electrical Engineering II: Alternating GŪ 2 Current Networks and Basic Devices					
		Current Networks and Basic Devices					
	Electrical Engineering I: Direct Current	Fundamentals of Mechanical Engineering	Mathematics III	Fluid Dynamics	Numerical Mathematics I	Introduction into Medical Technology and	
	Networks and Electromagnetic Fields	Design	Analysis III VL 2	Fluid Mechanics VL 3	Numerical Mathematics I VL 2	Systems	
	Electrical Engineering I: Direct Current VL 3	Fundamentals of Mechanical Engineering VL 2	Analysis III GÜ 1	Fluid Mechanics HÜ 2	Numerical Mathematics I GŪ 2	Introduction into Medical Technology and VL 2	
_	Networks and Electromagnetic Fields Electrical Engineering I: Direct Current GÜ 2	Design Fundamentals of Mechanical Engineering HÜ 2	Analysis III HÜ 1			Systems Introduction into Medical Technology and PS 2	
	Networks and Electromagnetic Fields	Design 2	Differential Equations 1 VL 2			Systems 2	
L			Differential Equations 1 GÜ 1 Differential Equations 1 HÜ 1			Introduction into Medical Technology and HÜ 1	
2			Differential Equations 1 HÜ 1			Systems	
3	Mathematics I	Technical Thermodynamics I		MED I: Introduction to Anatomy	Heat Transfer	MED II: Introduction to Physiology	
ļ.	Mathematics I VL 4 Mathematics I HÜ 2	Technical Thermodynamics I VL 2		Introduction to Anatomy VL 2	Heat Transfer VL 3 Heat Transfer HÜ 2	Introduction to Physiology VL 2	
5	Mathematics I HÜ 2 Mathematics I GÜ 2	Technical Thermodynamics I HÜ 1 Technical Thermodynamics I GÜ 1	Engineering Mechanics III (Dynamics)		Heat Iransfer HU 2		
5	Mathematics I GO 2	reclinical memodynamics i GO 1	Engineering Mechanics III VL 3				
			Engineering Mechanics III GÜ 2	MED I: Introduction to Radiology and Radiation Therapy		BIO I: Experimental Methods in Biomechanics Experimental Methods in Biomechanics VL 2	
7			Engineering Mechanics III HÜ 1	Introduction to Radiology and Radiation VL 2		experimental Metrious III Biometrianics VC 2	
3				Therapy			
9		Mathematics II		Computational Mechanics	Measurement Technology for Mechanical	Computer Science for Engineers -	Bachelor Thesis
		Mathematics II VL 4		Computational Multibody Dynamics IV 2	Engineers	Programming Concepts, Data Handling &	Sacricio. Thesis
)		Mathematics II HÜ 2		Computational Mechanics GÜ 2	Measurement Technology for Mechanical VL 2	Communication	
1	Computer Science for Engineers -	Mathematics II GÜ 2	Mechanical Engineering: Design (part 1)	Computational Stuctural Mechanics IV 2	Engineering	Computer Science for Engineers - VL 3	
2	Introduction and Overview		Embodiment Design and 3D-CAD VL 2		Measurement Technology for Mechanical PR 2	Programming Concepts, Data Handling &	
	Computer Science for Engineers - VL 3		Introduction and Practical Training		Engineering	Communication	
3	Introduction and Overview Computer Science for Engineers - GÜ 2		Mechanical Design Project I PBL 3		Practical Course: Measurement and PR 2 Control Systems	Computer Science for Engineers - GŪ 2 Programming Concepts, Data Handling &	
1	Computer Science for Engineers - GÜ 2 Introduction and Overview		Fundamentals of Materials Science		Control systems	Communication	
5			Fundamentals of Materials Science II VL 2	Mechanical Engineering: Design (part 2)	MED II: Introduction to Biochemistry and		
			Fundamentals of Materials Science I VL 2	Team Project Design Methodology PBL 2	Molecular Biology		
5			Physical and Chemical Basics of Materials VL 2 Science	Mechanical Design Project II PBL 3	Introduction to Biochemistry and VL 2		
7	Engineering Mechanics I (Stereostatics)	Engineering Mechanics II (Elastostatics)	Science		Molecular Biology		
3	Engineering Mechanics I VL 2	Engineering Mechanics II VL 2			BIO I: Implants and Fracture Healing		
	Engineering Mechanics I GÜ 2	Engineering Mechanics II GÜ 2			Implants and Fracture Healing VL 2		
9	Engineering Mechanics I HÜ 1	Engineering Mechanics II HÜ 2					
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The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.