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

	program				Core Qualification Elective Compulsory Specialis	sation Elective Compulsory Focus Elective Compulsor	ory Interdisciplinary complement
ecia	lisation Biomedical Engineering						
	Chemistry VL 4 Chemistry I+II VL 4 Chemistry I+III HÜ 2	Electrical Engineering II: Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating VL 3 Current Networks and Basic Devices Electrical Engineering II: Alternating GÜ 2 Current Networks and Basic Devices	Technical Thermodynamics II	Signals and Systems Signals and Systems VL 3 Signals and Systems GÜ 2	Introduction to Control Systems Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2	Foundations of Management Introduction to Management VL 3 Management Tutorial GÜ 2	Advanced Internship AIW/ ES
	Electrical Engineering I: Direct Current	Fundamentals of Mechanical Engineering	Mathematics III	Practical module 4 (dual study program,	Practical module 5 (dual study program,	Introduction into Medical Technology and	
	Networks and Electromagnetic Fields Electrical Engineering I: Direct Current VL 3	Design Fundamentals of Mechanical Engineering VL 2	Analysis III VL 2 Analysis III GÜ 1	Bachelor's degree) Practical term 4 0	Bachelor's degree) Practical term 5 0	Systems Introduction into Medical Technology and VL 2	
	Networks and Electromagnetic Fields	Design	Analysis III HÜ 1			Systems	
0	Electrical Engineering I: Direct Current GŪ 2 Networks and Electromagnetic Fields	Fundamentals of Mechanical Engineering HÜ 2 Design	Differential Equations 1 VL 2			Introduction into Medical Technology and PS 2 Systems	
1	Networks and Electromagnetic fields	Design	Differential Equations 1 GÜ 1 Differential Equations 1 HÜ 1			Introduction into Medical Technology and HÜ 1	
2			110 1			Systems	
3	Mathematics I	Technical Thermodynamics I		Fluid Dynamics	Numerical Mathematics I	MED II: Introduction to Physiology	
4	Mathematics I VL 4	Technical Thermodynamics I VL 2		Fluid Mechanics VL 3	Numerical Mathematics I VL 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	Practical module 3 (dual study program,	Fluid Mechanics HÜ 2	Numerical Mathematics I GÜ 2		
6	Mathematics 1 GO 2	recinical meniodynamics 1 GO 1	Bachelor's degree)			BIO I: Experimental Methods in Biomechanics	
7			Practical term 3 0			Experimental Methods in Biomechanics VL 2	
.8							
9		Mathematics II		MED I: Introduction to Anatomy	Heat Transfer	Computer Science for Engineers -	Bachelor thesis (dual study program)
0		Mathematics II VL 4		Introduction to Anatomy VL 2	Heat Transfer VL 3	Programming Concepts, Data Handling &	Bachelor thesis (dual study program)
1	Community Colonia for Familiana	Mathematics II HÜ 2	Fundamental Machania III (Burania)		Heat Transfer HÜ 2	Communication	
1	Computer Science for Engineers - Introduction and Overview	Mathematics II GÜ 2	Engineering Mechanics III (Dynamics) Engineering Mechanics III VL 3	MED I: Introduction to Radiology and		Computer Science for Engineers - VL 3 Programming Concepts, Data Handling &	
2							
2	Computer Science for Engineers - VL 3		Engineering Mechanics III GÜ 2	Radiation Therapy		Communication	
3	Introduction and Overview					Computer Science for Engineers - GÜ 2	
3			Engineering Mechanics III GÜ 2	Radiation Therapy			
3 4	Introduction and Overview Computer Science for Engineers - GÜ 2		Engineering Mechanics III GÜ 2	Radiation Therapy Introduction to Radiology and Radiation VL 2	Measurement Technology for Mechanical	Computer Science for Engineers - GÜ 2 Programming Concepts, Data Handling &	
3 4 5	Introduction and Overview Computer Science for Engineers - GÜ 2		Engineering Mechanics III GÜ 2	Radiation Therapy Introduction to Radiology and Radiation VL 2 Therapy Computational Mechanics Computational Multibody Dynamics IV 2	Engineers	Computer Science for Engineers - GÜ 2 Programming Concepts, Data Handling &	
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3 4 5 6 7 8 9 0 1 1 2	Introduction and Overview Computer Science for Engineers - GÜ 2 Introduction and Overview Practical module 1 (dual study program, Bachelor's degree)	Bachelor's degree)	Engineering Mechanics III GÜ 2 Engineering Mechanics III HÜ 1 Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD VL 2 Introduction and Practical Training Mechanical Design Project I PBL 3 Fundamentals of Materials Science Fundamentals of Materials Science II VL 2 Physical and Chemical Basics of Materials VL 2	Radiation Therapy Introduction to Radiology and Radiation VL 2 Therapy Computational Mechanics Computational Miltibody Dynamics IV 2 Computational Mechanics GÜ 2 Computational Stuctural Mechanics IV 2 Mechanical Engineering: Design (part 2) Team Project Design Methodology PBL 2	Engineers Measurement Technology for Mechanical VL 2 Engineering Measurement Technology for Mechanical PR 2 Engineering Practical Course: Measurement and PR 2 Control Systems MED II: Introduction to Biochemistry and Molecular Biology Introduction to Biochemistry and VL 2 Molecular Biology	Computer Science for Engineers - GÜ 2 Programming Concepts, Data Handling &	
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