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

		-					lisation Compulsory	Focus Compulsory	Thesis Compulsory
	e course plan - Bachelor Genera		n program, 7 semester) (AIWBS	(7))		Core Qualification Elective Compulsory Specia	lisation Elective Compulsory	Focus Elective Compulse	Interdisciplinary complement
ecial	isation ₁ Mechanical Engineering,	Eacus ₂ Biomechanics FormHrs/wk	Semester 3 FormHrs/we	Semester 4 Form	mHrs/wk	Semester 5 FormHrs/v	vk Semester 6	FormHrs/wk	Semester 7 FormHr
2 4 4	Chemistry I+II VL 4 Chemistry I+II HŪ 2	Electrical Engineering II: Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating GÜ 2 Current Networks and Basic Devices	Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1 Technical Thermodynamics II GÜ 1		L 3) 2	Introduction to Control Systems VL 2 Introduction to Control Systems GŨ 2	Foundations of Management Introduction to Management Management Tutorial		Advanced Internship AIW/ ES Advanced Internship AIW/ ES: SE Preparation Advanced Intenship AIW/ ES: Internship- SE accompanying Seminar
5									
7 3 9 10 11 12 13 14 15 16	Electrical Engineering 1: Direct Current VL 3 Networks and Electromagnetic Fields VL 3 Electrical Engineering 1: Direct Current QÚ 2 Electrical Engineering 1: Direct Current MU 3 Electrical Engineering 1: Direct Current MU 3 Mathematics I VL 4 Mathematics I HÚ 2 Mathematics I GÚ 2	Fundamentals of Mechanical Engineering VL 2 Design VL 2 Fundamentals of Mechanical Engineering VL 2 Rundamentals of Mechanical Engineering VL 2 Fundamentals of Mechanical Engineering VL 2 Design VL 2 Design VL 2 Design VL 2 Technical Thermodynamics I VL 2 Technical Thermodynamics I 6 1 Technical Thermodynamics I 6 1 Technical Thermodynamics I 6 1	Matematics III VL 2 Analysis III GÜ 1 Analysis III GÜ 1 Differential Equations 1 VL 2 Differential Equations 1 GÜ 1 Differential Equations 1 GÜ 1 Differential Equations 1 HÜ 1 Engineering Mechanics III (Dynamics) Engineering Mechanics III XL Engineering Mechanics III VL 3 Engineering Mechanics III GÜ 2	Fluid Mechanics HÜ Computational Mechanics IV Computational Multibody Dynamics IV Computational Mechanics GÜ	Ü 2	Measurement Technology for Mechanical VL 2 Engineering VL 2 Measurement Technology for Mechanical HÜ 1 Engineering Practical Course: Measurement and Control Systems PR 2 Numerical Mathematics 1 VL 2 Numerical Mathematics 1 VL 2 Numerical Mathematics 1 GÜ 2	Advanced Materials for Sr Advanced Materials Charactt Advanced Materials for Susta Advanced Materials for Susta MED II: Introduction to Ph Introduction to Physiology BIO I: Experimental Methods in Bio	erization VL 2 innability VL 2 ainability HÜ 2 vL 2 vL 2 ods in Biomechanics	
.7 .8 .9		Mathematics II	Engineering Mechanics III HÜ 1	MED I: Introduction to Anatomy		MED II: Introduction to Biochemistry and	Computer Science for Eng		Bachelor Thesis
0	Computer Science for Engineers -	Mathematics II VL 4 Mathematics II HÜ 2 Mathematics II GŨ 2	Advanced Mechanical Engineering Design	Introduction to Anatomy VL	L 2	Molecular Biology VL 2 Introduction to Biochemistry and VL 2 Molecular Biology 2	Programming Concepts, E Communication Computer Science for Engine	eers - VL 3	
22	Introduction and Overview Computer Science for Engineers - VL 3 Introduction and Overview Computer Science for Engineers - GÜ 2 Introduction and Overview		(part 1) Advanced Mechanical Engineering VL 2 Design I Advanced Mechanical Engineering H0 2 Design I H0 2	MED I: Introduction to Radiology and Radiation Therapy Introduction to Radiology and Radiation VL Therapy	L 2	BIO I: Implants and Fracture Healing VL 2	Programming Concepts, Data Communication Computer Science for Engine Programming Concepts, Data Communication	eers - GÜ 2	
4			Mechanical Engineering: Design (part 1)						
5 6			Embodiment Design and 3D-CAD VL 2 Introduction and Practical Training Mechanical Design Project I PBL 3	Advanced Mechanical Engineering Desig (part 2) Advanced Mechanical Engineering VL	gn L 2				
7	Engineering Mechanics I (Stereostatics) Engineering Mechanics I VL 2 Engineering Mechanics I GŪ 2	Engineering Mechanics II (Elastostatics) Engineering Mechanics II VL 2 Engineering Mechanics II GÜ 2	Fundamentals of Materials Science (part 1) Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials VL 2	Design II Advanced Mechanical Engineering HÜ Design II	Ü 2				
B 9 0	Engineering Mechanics I HÜ 1	Engineering Mechanics II HÜ 2	Science) IL 2 IL 3				
1 2				Fundamentals of Materials Science (part Fundamentals of Materials Science II VL					
_	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.