Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w17) Legend:

	e course plan C Bachelor Gene		n program, 7 semester) (AIWBS	Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	/ Thesis Compulsory		
Specia	alisation Mechanical Engineering	g, Focus Biomechanics				Core qualification Elective Specialisation Elective Focus Elective C		mpulsory Interdisciplinary complement	
LP	Semester 1 ForMrs	s/wikemester 2 Formirs	/vSikemester 3 Formirs	/wsiemester 4 Formins	/wsieemester 5 Fo	or i mrs/wikemester 6	For it irs,	/wikemester 7 For	r itti rs/wl
1 2 3 4 5	Chemistry Chemistry I VL 2 Chemistry II VL 2 Chemistry II HÜ 1 Chemistry II HÜ 1	Electrical Engineering II: Alternating Current Networks and Basic Devices Electrical Engineering VL 3 II: Alternating Current Networks and Basic Devices Electrical Engineering UE 2 II: Alternating Current	Technical Thermodynamics II Technical Technical Technical Technical Thermodynamics II Technical Technical UE 1 Thermodynamics II	Mechanical Engineering: Design (part 2) Team Project Design PBL2 Methodology Mechanical Design PBL3 Project II Fundamentals of Materials Science (part 2) Fundamentals of VL 2	Computer Engineering Vi Computer Engineering Vi Computer Engineering U	Management	VL 3	Advanced Internship All GES	W/
6		Networks and Basic Devices		Materials Science II					
7 8 9 10 11 12	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields Electrical Engineering VL 3 I: Direct Current Networks and Electromagnetic Fields Electrical Engineering UE 2 I: Direct Current Networks and Electromagnetic Fields	Fundamentals of Mechanical Engineering Design Fundamentals of VL 2 Mechanical Engineering Design Fundamentals of HÜ 2 Mechanical Engineering Design	Mathematics III Analysis III VL 2 Analysis III UE 1 Analysis III HÜ 1 Differential Equations VL 2 1 Differential Equations UE 1 1 Differential Equations HÜ 1	Advanced Mechanical Engineering Design (part 2) Advanced Mechanical VL 2 Engineering Design II Advanced Mechanical HÜ 2 Engineering Design II Fluid Dynamics Fluid Mechanics VL 3 Fluid Mechanics HÜ 2	Control Systems	MED II: Introd Physiology Introduction to Physiology E 2 BIO I: Experim Methods in Bi Experimental M in Biomechanic	VL 2 nental iomechanics lethods VL 2		
13 14 15 16 17 18	Mathematics I Linear Algebra I VL 2 Linear Algebra I UE 1 Linear Algebra I HÜ 1 Analysis I VL 2 Analysis I UE 1 Analysis I HÜ 1	Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I Technical Technical Technical UE 1 Thermodynamics I	Mechanics III (Hydrostatics, Kinematics, Kinetics I) Mechanics III VL 3 Mechanics III UE 2 Mechanics III HÜ 1	Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Systems) Mechanics IV VL 3 Mechanics IV UE 2 Mechanics IV HÜ 1	Technology for Mechanical and Process Engineers Measurement Technology for Mechanical and Process Engineers	Advanced Mate Advanced Mate Characterizatio Advanced Mate Design Advanced Mate Design Advanced Mate Design Advanced Mate Design	erials VL 2 n erials VL 2		
20	Mechanics I (Statics)	Mechanics II: Mechanics of Materials Mechanics II VL 2	Mechanical Engineering:	Signals and Systems	Numerical Mathematic Numerical V Mathematics I	L 2		Bachelor Thesis	
			3						

Core qualification

22 23 24	Mechanics I Mechanics I Mechanics I	VL 2 UE 2 HÜ 1	Mechanics II Mechanics II	UE 2 HÜ 2	Design (part 1) Embodiment Design VL 2 and 3D-CAD Mechanical Design PBL3 Project I Fundamentals of	Signals and Systems VL 3 Signals and Systems UE 2	Numerical UE 2 Mathematics I
25 26 27	Programming in C Programming in C VL 1 Programming in C PR 1	Linear Algebra II UE Linear Algebra II HÜ Analysis II VL Analysis II HÜ	VL 2 UE 1 HÜ 1 VL 2 HÜ 1	Materials Science (part 1) Fundamentals of VL 2 Materials Science I Physical and Chemical VL 2 Basics of Materials Science Advanced Mechanical	MED I: Introduction to Anatomy Introduction to VL 2 Anatomy	Molecular Biology	
31 32	Physics for Engineers (AIW) Physics for Engineers VL 2 Physics for Engineers UE 1		UE 1	Engineering Design (part 1) Advanced Mechanical VL 2 Engineering Design I Advanced Mechanical HÜ 2 Engineering Design I	MED I: Introduction to Radiology and Radiation Therapy Introduction to VL 2 Radiology and Radiation Therapy	BIO I: Implants and Fracture Healing Implants and Fracture VL 2 Healing	

Nontechnical Complementary Courses for Bachelors (from 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.