Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w20)

			Core Qualification Compulsory Specialis	Sation Compulsory Focus Compulsory	Thesis Compulsory
e plan - Bachelor General Engineering Science (Germa	n program, 7 semester) (AIWBS((7))	Core Qualification Elective Compulsory Specialis	Sation Elective Compulsory Focus Elective Compulsor	ory Interdisciplinary complement
Mechanical Engineering, Focus Biomechanics					
ry y I+II VL 4 Networks and Basic Devices y I+II HÖ 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 Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1 Technical Thermodynamics II GÜ 1	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: SE Preparation Advanced Intenship AIW/ ES: Internship- SE accompanying Seminar
All Engineering I: Direct Current sa and Electromagnetic Fields and Electromagnetic Fields Engineering I: Direct Current VL 3 Engineering I: Direct Current GÜ 2 Engineering III Güneering VL 2 Engineering III Günee	Mathematics III	Fluid Dynamics Fluid Mechanics VL 3 Fluid Mechanics HÜ 2 Mechanics IV (Oscillations, Analytical Mechanics, Multibody Systems, Numerical Mechanics) Mechanics IV VL 3 Mechanics IV GÜ 2	Measurement Technology for Mechanical Engineers Measurement Technology for Mechanical VL 2 Engineering Measurement Technology for Mechanical HÜ 1 Engineering Practical Course: Measurement and PR 2 Control Systems Numerical Mathematics I Numerical Mathematics I Numerical Mathematics I OU 2 Numerical Mathematics I OU 2	Advanced Materials for Sustainability Advanced Materials Characterization VL 2 Advanced Materials for Sustainability VL 2 Advanced Materials for Sustainability HÜ 2 MED II: Introduction to Physiology Introduction to Physiology VL 2 BIO I: Experimental Methods in Biomechanics	
GÜ 1 HÜ 1 Mechanics II: Mechanics of Materials Mechanics II VL 2 Mechanics II GÜ 2	Mechanics III GÜ 2 Mechanics III HÜ 1	MED I: Introduction to Anatomy Introduction to Anatomy VL 2	Computer Engineering Computer Engineering VL 3 Computer Engineering GÜ 1	Experimental Methods in Biomechanics VL 2	Bachelor Thesis
ics I (Statics)	Advanced Mechanical Engineering Design (part 1) Advanced Mechanical Engineering VL 2 Design I Advanced Mechanical Engineering HÜ 2 Design I Mechanical Engineering: Design (part 1)	MED I: Introduction to Radiology and Radiation Therapy Introduction to Radiology and Radiation VL 2 Therapy			
Mathematics II Linear Algebra II VL 2	Embodiment Design and 3D-CAD VL 2 Mechanical Design Project I PBL 3	Advanced Mechanical Engineering Design (part 2) Advanced Mechanical Engineering VL 2	MED II: Introduction to Biochemistry and Molecular Biology Introduction to Biochemistry and VL 2		
Linear Algebra II	Fundamentals of Materials Science (part 1) Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials VL 2 Science	Advanced Mechanical Engineering VL 2 Design II Mechanical Engineering: Design (part 2)	Molecular Biology BIO I: Implants and Fracture Healing		
for Engineers (AIW) or Engineers VL 2 en Engineers GÜ 1		Team Project Design Methodology PBL 2 Mechanical Design Project II PBL 3 Fundamentals of Materials Science (part 2) Fundamentals of Materials Science II VL 2	Implants and Fracture Healing VL 2		
or Engineers VL 2	e) - 6LP	e) - 6LP	Mechanical Design Project II PBL 3 Fundamentals of Materials Science (part 2) Fundamentals of Materials Science II VL 2	Mechanical Design Project II PBL 3 Fundamentals of Materials Science (part 2) Fundamentals of Materials Science II VL 2	Mechanical Design Project II PBL 3 Fundamentals of Materials Science (part 2) Fundamentals of Materials Science II VL 2

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