## Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w20) Legend: Core gualification

Sample course plan C Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7))

	alisation Mechanical Eng		Focus Theoretical Mec			AIVUDS	(7))		Compulsory					
			,		29				Core qualification Elective Compulsory		alisation Elective ulsory	Focus Elective Co	Interdisciplinary complement	
Р	Semester 1	Formithrs	/wkmester 2	Formin	/wskemester 3	Formin	/ଭିkmester 4	Formithrs,	Wolkemester 5 F	ormin	/&kmester 6	Former	/wskemester 7 Fo	or <b>h</b> hrs,
	Chemistry Chemistry I+II Chemistry I+II	VL 4 HÜ 2	Electrical Engineerin Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating Current Networks and Basic Devices	VL 3	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical	VL 2 HÜ 1 UE 1	Signals and System Signals and Systems Signals and Systems	VL 3	Control Systems		Foundations of Management Introduction to Management Management Tut	VL 3	Advanced Internship A GES	AIW/
0	Electrical Engineerin Direct Current Netw and Electromagnetic Fields Electrical Engineering I: Direct Current Networks and Electromagnetic Fields Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	VL 3 UE 2	Fundamentals of Mechanical Engineer Design Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering Design	ring VL 2 HÜ 2	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	UE 1 HÜ 1 VL 2 UE 1	Fluid Dynamics Fluid Mechanics Fluid Mechanics	VL 3 HÜ 2	Technology for Mechanical Engineering Measurement Technology for Mechanical Engineering	ers	Modeling, Simu Optimization (C Modeling, Simula and Optimization	<b>GES)</b> Ition IV 4		
4 5 7 3 9 0 1	Mathematics I Linear Algebra I Linear Algebra I Linear Algebra I Analysis I Analysis I Analysis I Mechanics I (Statics	-	Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I Mechanics II: Mecha Mechanics II	VL 2	Mechanics III (Dynar Mechanics III Mechanics III Mechanics III Advanced Mechanic Engineering Design	VL 3 UE 2 HÜ 1	Mechanics IV (Oscillations, Analy Mechanics, Multibo Systems, Numerica Mechanics) Mechanics IV Mechanics IV Mechanics IV Advanced Mechanica Engineering Design 2) Advanced Mechanical	dy VL 3 UE 2 HÜ 1 cal (part	Mathematics I Numerical L Mathematics I Heat Transfer Heat Transfer V	<b>cs I</b> /L 2 JE 2 /L 3 <del>1</del> Ü 2			Bachelor Thesis	
2	Mechanics I Mechanics I Mechanics I	VL 2 UE 2 HÜ 1	Mechanics II Mechanics II	UE 2 HÜ 2	Advanced Mechanical A Engineering Design I Advanced Mechanical A	VL 2 HÜ 2	Engineering Design II Advanced Mechanical Engineering Design II Mechanical Engineer	HÜ 2						

Specialisation Compulsory Focus Compulsory

Compulsory

Thesis Compulsory

23			Engineering Design I	Design (part 2)					
24			Mechanical Engineering: Design (part 1)	Team Project Design PBL2 Methodology Mechanical Design PBL3					
			Embodiment Design VL 2 and 3D-CAD	Project II					
25		Mathematics II	Mechanical Design PBL3 Project I	Fundamentals of	Computer Engineering				
26		Linear Algebra II VL		Materials Science (part 2)	Computer Engineering VL 3				
		Linear Algebra II UE	1	Fundamentals of VL 2 Materials Science II	Computer Engineering UE 1				
27		Linear Algebra II HÜ	1	Materials Science II					
27 28	Programming in C	Analysis II VL							
20	Programming in C VL 1	Analysis II HÜ							
	Programming in C PR 1	Analysis II UE	Fundamentals of VL 2 Materials Science I						
29 30	Physics for Engineers (AIW) Physics for Engineers VL 2		Physical and Chemical VL 2 Basics of Materials Science						
31 32	Physics for Engineers UE 1			_					
	Non-technical 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.