## Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w17) Legend: Core gualification

Sample course plan B Bachelor General Engineering Science (English program, 7 semester) (GESBS(7)) Specialisation Mechanical Engineering, Focus Materials in Engineering Sciences

pecia	alisation Mechanical Eng		, Focus Materials in Engin		Sciences					cialisation Elective Focus Elective	Compulsory Interdisciplinary complement
.P	Semester 1	Formit	/യിന്തേടter 2 F	or <b>h</b> hrs/	wikemester 3	Formit for	wemester 4	Formit	/wsikemester 5 Formit	rs/wskemester 6 Form	hrs/v&kemester 7 Forhhrs/v
· ·	<b>Chemistry (GES)</b> Chemistry I Chemistry II Chemistry I Chemistry II	VL 2 VL 2 HÜ 1 HÜ 1	Thermodynamics I Technical H Thermodynamics I	1Ü 1	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II		Mechanical Enginee Design (part 2) Team Project Design Methodology Mechanical Design Project II Fundamentals of Materials Science ( Fundamentals of Materials Science II	PBL2 PBL3	Computer Engineering VL 3 Computer Engineering UE 1	Foundations of Management Introduction to VL 3 Management Management Tutorial HÜ 2	
0.1.2	<b>Linear Algebra</b> Linear Algebra Linear Algebra Linear Algebra	VL 4 HÜ 2 UE 2	Mathematical AnalysisVL4Mathematical AnalysisHÜ2Mathematical AnalysisUE2	/L 4 HÜ 2	Analysis III	VL 2 UE 1 HÜ 1 VL 2 UE 1		VL 2 HÜ 2	Introduction to Control Systems Introduction to VL 2 Control Systems Introduction to UE 2 Control Systems	Fundamentals: Metals	2
3 4 5 6 7 8 8 9 0	Electrical Engineering Electrical Engineering I Electrical Engineering I	VL 3	Electrical Engineering V Electrical Engineering V II Electrical Engineering V II	/L 3	<b>Mechanics III (GES)</b> Mechanics III Mechanics III Mechanics III	HÜ 1 UE 2 VL 3	Mechanics IV (Kiner Oscillations, Analyt Mechanics, Multibo Systems) Mechanics IV Mechanics IV Mechanics IV	ical	Technology for Mechanical and Process Engineers Measurement Technology for Mechanical and Process Engineers Practical Course: Measurement and Control Systems Numerical Mathematics	2) Fundamentals of VL 2 of Materials Fundamentals of Production and Quality Management Production Process VL 2 Organization Quality Management VL 2	2
1	Mechanics I (GES)		Mechanics II (GES)		Mechanical Enginee	ring:	Signals and System	IS	Numerical VL 2 Mathematics I		

Specialisation Compulsory Focus Compulsory

Compulsory

Thesis Compulsory

22	Mechanics I	VL 2	Mechanics II	VL 2	Design (part 1)		Signals and Systems	VL 3	Numerical UE	2
23	Mechanics I	HÜ 3	Mechanics II	HÜ 2	Embodiment Design and 3D-CAD	VL 2	Signals and Systems	UE 2	Mathematics I	
					Mechanical Design Project I	PBL3				
24					Fundamentals of					
25					Materials Science (p	art 1)			Structural Materials (p	art
26					Fundamentals of	VL 2			1)	are
27	Programming in C	Fundamentals of		Materials Science I				Welding Technology VL	. 3	
	Programming in C	VL 1	Mechanical Engine	ering	Physical and Chemical	VL 2				
	Programming in C	PR 1	(GES) Fundamentals of	VL 2	Basics of Materials Science					
28			Mechanical	VL 2						
29	Physics for Engineers (GES)		Engineering		Advanced Mechanical Engineering Design (part 1)				Material Science Laboratory	
30			Fundamentals of Mechanical	UE 2					-	2
	Physics for Engineers	VL 2	Engineering		Advanced Mechanical	VL 2			for Materials Science	
	Physics for Engineers	UE 1			Engineering Design I				Laboratory	
					Advanced Mechanical Engineering Design I	HU 2			Material Science PR Laboratory	R 4
31					5 5 <del>.</del>		I			
32										
33					1					
	Nontechnical Complem	nentary (	Courses for Bachelors (	from cata	alogue) - 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.