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

Sample course plan B Bachelor General Engineering Science (English program, 7 semester) (GESBS(7)) Specialisation Mechanical Engineering, Focus Aircraft Systems Engineering

kmester 5		Formrs/งษิเธตester 6		ForMrs	/ <b>&amp;k</b> mest	er 7	Form	s/v
	Core qualification Elective Compulsory	Specia Comp	llisation Elective ulsory	Focus Elective Co	mpulsory	Interdisciplinary complement		
	Core qualification Compulsory	Specia	lisation Compulsory	Focus Compulsor	у	Thesis Compulsory		
	Legend:							

LP	Semester 1 F	ormins	/មេសmester 2 F	or <b>M</b> rs/	∕⊌kmester 3	Formirs	/www.mester 4	Formirs	/wsiemester 5 Forming	/&kmester 6	Formirs	/wsikemester 7 Formirs/
1 2 3 4 5	Chemistry II V	/L 2 /L 2 HÜ 1 HÜ 1	Thermodynamics I Technical H Thermodynamics I	łÜ 1	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1 UE 1	Mechanical Enginee Design (part 2) Team Project Design Methodology Mechanical Design Project II  Fundamentals of Materials Science (p	PBL2 PBL3	Computer Engineering Computer Engineering VL 3 Computer Engineering UE 1	Foundations of Management Introduction to Management Management Tutorial	VL 3 HÜ 2	Advanced Internship AIW/ GES
7							Advanced Mechanic					
9 10 11 12	Linear Algebra	/L 4 HÜ 2 JE 2	Mathematical Analysis Mathematical Analysis Mathematical Analysis Mathematical Analysis L	/L 4 HÜ 2	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	UE 1	Engineering Design 2)  Advanced Mechanical Engineering Design II  Advanced Mechanical Engineering Design II  Fluid Dynamics  Fluid Mechanics  Fluid Mechanics	VL 2	Introduction to Control Systems  Introduction to VL 2 Control Systems  Introduction to UE 2 Control Systems	Integrated Product Development and Lightweight Design Integrated Product Development I Development of Lightweight Design Products CAE-Team Project	VL 2 VL 2 PBL2	
14									Measurement Technology for Mechanical and	Aeronautical Systen		
15 16 17 18	Electrical Engineering Electrical Engineering I Electrical Engineering I	/L 3	Electrical Engineering Electrical Engineering II Electrical Engineering II	/L 3	Mechanics III (GES) Mechanics III Mechanics III Mechanics III	HÜ 1 UE 2 VL 3	Mechanics IV (Kinet Oscillations, Analyti Mechanics, Multibod Systems) Mechanics IV Mechanics IV Mechanics IV	cal	Measurement VL 2 Technology for Mechanical and Process Engineers  Measurement HÜ 1 Technology for Mechanical and Process Engineers  Practical Course: Measurement and Control Systems	Air Transportation Systems Fundamentals of Aircraft Systems Fundamentals of Aircraft Systems Air Transportation Systems	VL 2 VL 2 UE 1 HÜ 1	
20									Advanced Mechanical Design Project	Fundamentals of Production and Qua	litv	Bachelor Thesis
21	Mechanics I (GES)		Mechanics II (GES)		Mechanical Engineer	ring:	Signals and Systems	5	Advanced Mechanical PBL4	Management		
22	Mechanics I	/L 2	Mechanics II	/L 2	Design (part 1)		Signals and Systems	VL 3	Design Project	Production Process	VL 2	
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23	Mechanics I	HÜ 3	Mechanics II HÜ 2		VL 2	Signals and Systems U	IE 2		Organization	
				and 3D-CAD					Quality Management VL 2	
				Mechanical Design	PBL3					
				Project I						
24										
25				Fundamentals of						
				Materials Science (p	art 1)			Simulation and Design of		
26				Fundamentals of	VL 2			Mechatronic Systems		
27	Programming in C	Fundam	undamentals of	Materials Science I				Simulation and Design VL 2		
		VL 1	Mechanical Engineering	Physical and Chemical	VL 2			of Mechatronic		
			(GES)	Basics of Materials				Systems		
	Programming in C	PR 1	Fundamentals of VL 2	Science				Simulation and Design HÜ 1		
28			Mechanical					of Mechatronic		
29	Physics for Engineers (GES)	Engineering	Advanced Mechanical				Systems			
		;	Fundamentals of UE 2	Engineering Design	(part			Simulation and Design PR 1		
30			Mechanical	1)				of Mechatronic		
	Physics for Engineers	VL 2	Engineering	Advanced Mechanical	VL 2			Systems		
	Physics for Engineers 1	UF 1	j j	Engineering Design I						
	Triyores for Engineers	02 1		Advanced Mechanical	HÜ 2					
				Engineering Design I						
31									ı	
32										
12										

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.