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))									Core qualification Compulsory	Specialisation Compulsory		Focus Compulsory		Thesis Compulsory	
Specialisation Mechanical Engineering, Focus Aircraft Systems Engine				s Engine	ering				Core qualification Elective Speci Compulsory Comp		lisation Elective JIsory	Focus Elective C	ompulsory	npulsory Interdisciplinary complement	
LP	Semester 1	Forminns	ଷ୍ଟkmester 2	Formit for	wemester 3	Formit for	/ଡାkmester 4 ା	Formittins,	/wskemester 5 Fo	or itti rs	Watemester 6	Formin	s/v§kemest	er 7	Formhrs/wk
1 2 3 4 5 6	,	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 Thermodynamics II	VL 2 HÜ 1 UE 1	Signals and Systems Signals and Systems Signals and Systems		Control Systems	L 2	Foundations of Management Introduction to Management Management Tu	VL 3	Advan GES	ced Internship	AIW/
7 8 9 10 11 12	Electrical Engineering Direct Current Networ and Electromagnetic Fields Electrical Engineering I: Direct Current Networks and Electromagnetic Fields Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	VL 3	Fundamentals of Mechanical Engineer Design Fundamentals of Mechanical Fundamentals of Mechanical Engineering Design	VL 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		VL 3 HÜ 2	Technology for Mechanical Engineering Measurement H Technology for Mechanical Engineering	ers L 2	Integrated Pro Development Lightweight D Integrated Prod Development I Development of Lightweight Des Products CAE-Team Proje	and esign uct VL 2 : VL 2 sign			
13 14 15 16 17 18	Linear Algebra I Linear Algebra I Analysis I Analysis I	VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1	Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I	VL 2 HÜ 1 UE 1	Mechanics III (Dynar Mechanics III Mechanics III Mechanics III	mics) VL 3 UE 2 HÜ 1	Mechanics IV		Advanced Mechanical Design Project Advanced Mechanical Pf Design Project	BL4	Aeronautical S Air Transportati Systems Fundamentals of Aircraft System Fundamentals of Aircraft System Air Transportati Systems	on VL 2 of VL 2 of UE 1 s			
19 20 21	Mechanics I	VL 2 UE 2 HÜ 1	Mechanics II: Mecha of Materials Mechanics II Mechanics II Mechanics II	nics VL 2 UE 2 HÜ 2	Advanced Mechanic Engineering Design 1) Advanced Mechanical Engineering Design I	(part	Advanced Mechanical Engineering Design (2) Advanced Mechanical M Engineering Design II Advanced Mechanical I Engineering Design II	part VL 2	Computer Engineering Computer Engineering VI Computer Engineering UI	L 3	Fundamentals Production an Management Production Proc Organization Quality Manage	d Quality ess VL 2	Bachel	or Thesis	

22 23 24					Advanced Mechanical H Engineering Design I		Mechanical Engineering: Design (part 2)			
2.					Mechanical Engineeri Design (part 1)	ng:	Team Project Design PBL2 Methodology			
					Embodiment Design N and 3D-CAD	VL 2	Mechanical Design PBL3 Project II			
25 26			Mathematics II		Mechanical Design F Project I	PBL3	Fundamentals of		nulation and Design of	
			Linear Algebra II	VL 2			Materials Science (part 2)		chatronic Systems	
			Linear Algebra II	UE 1			Fundamentals of VL 2		nulation and Design VL 2 Mechatronic	
			Linear Algebra II	HÜ 1			Materials Science II		stems	
27 Pr	rogramming in C		Analysis II	VL 2	Fundamentals of				nulation and Design HÜ 1	
28 Pr	rogramming in C VL	. 1	Analysis II	HÜ 1	Materials Science (pa	rt 1)			Mechatronic	
Pr	rogramming in C PR	۲1	Analysis II	UE 1		VL 2		Sys	stems	
		_			Materials Science I			Sim	nulation and Design PR 1	
29 Pł	hysics for Engineers				Physical and Chemical \	VL 2			Mechatronic	
³⁰ (A	AIW)				Basics of Materials			Sys	stems	
Ph	hysics for Engineers VL	_ 2			Science					
31 Ph	hysics for Engineers UE	E 1								
32	, , , , , , , , , , , , , , , , , , , ,									
No	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.