## Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w18)

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

Legend:			
Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Formirs	√wSkemester 2 For⊪t	rs/wSemester 3 Fo	or <b>iH</b> rs/	/wSkemester 4 F	or <b>iti</b> rs	/wSkemester5 ForkH	rs/w@lemester6 Form	ndrs/w@www.ester7 Formindrs/w
1 2 3 4 5	Chemistry II	VL 2 VL 2 HÜ 1 HÜ 1	Technical Thermodynamics Technical VL 2 Thermodynamics I Technical HÜ Thermodynamics I Technical UE Thermodynamics I	II Technical VL Thermodynamics II Technical HI Thermodynamics II		Methodology Mechanical Design Project II  Fundamentals of Materia Science (part 2)	PBL2 PBL3	Computer Engineering  Computer Engineering  VL 3  Computer Engineering  UE 1	Introduction to VL	
9 10 11 12	Linear Algebra	VL 4 HÜ 2 UE 2	Mathematical Analysis  Mathematical Analysis  Mathematical Analysis  HÜ 2  Mathematical Analysis  UE 2	Analysis III UI Analysis III HI Differential Equations 1 VI	L 2 E 1 Ü 1 L 2 E 1 Ü 1	Engineering Design II Advanced Mechanical Engineering Design II  Fluid Dynamics Fluid Mechanics	rt 2) /L 2 HÜ 2 /L 3 HÜ 2	Introduction to Control Systems Introduction to Control VL 2 Systems Introduction to Control UE 2 Systems	Integrated Product VL	2
13 14 15 16 17 18	Electrical Engineering I Electrical Engineering I Electrical Engineering I		Electrical Engineering II Electrical Engineering II VL 3 Electrical Engineering II UE 2	Mechanics III UI	Ü 1 E 2 L 3	Mechanics IV	l, /L 3 JE 2 HÜ 1	Measurement Technology for Mechanical and Process Engineers  Measurement VL 2 Technology for Mechanical and Process Engineers  Measurement HÜ 1 Technology for Mechanical and Process Engineers  Practical Course: PR 2 Measurement and Control Systems	Aircraft Systems Fundamentals of UE Aircraft Systems Air Transportation Systems	2
19 20 21 22	Mechanics I (GES)		Mechanics II (GES)	Mechanical Engineering: Design (part 1)		Signals and Systems		Advanced Mechanical Design Project Advanced Mechanical Design Project PBL4	Electrical Machines and Actuators Electrical Machines and VL Actuators	Bachelor Thesis
23	Mechanics I	VL 2	Mechanics II VL 2	- · · · · · · · · · · · · · · · · · · ·	L 2	Signals and Systems	/L 3		Electrical Machines and HÜ	2

24	Mechanics I H	1Ü 3	Mechanics II HÜ 2	3D-CAD  Mechanical Design PBL3  Project I  Fundamentals of Materials	Signals and Systems UE	2	Actuators
25 26				Science (part 1) Fundamentals of VL 2		Simulation and Design of Mechatronic Systems	
27	o o	/L 1 PR 1	Fundamentals of Mechanical Engineering (GES) Fundamentals of VL 2 Mechanical Engineering	Materials Science I Physical and Chemical VL 2 Basics of Materials Science		Simulation and Design VL 2 of Mechatronic Systems  Simulation and Design HÜ 1 of Mechatronic Systems	
28 29 30	, ,	GES) /L 2 JE 1	Fundamentals of UE 2 Mechanical Engineering	Advanced Mechanical Engineering Design (part 1) Advanced Mechanical VL 2 Engineering Design I Advanced Mechanical HÜ 2 Engineering Design I		Simulation and Design PR 1 of Mechatronic Systems	
31 32					-		

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.