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

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

mester 5	Formirs	/&kmester 6	Formirs	/ &k mest	er 7	Forthrs/
Core qualification Elective Compulsory			Focus Elective Co	mpulsory	Interdisciplinary complement	
Core qualification Compulsory	Specia	alisation Compulsory	Focus Compulsory		Thesis Compulsory	
Legend:						
	Core qualification Compulsory Core qualification Elective	Core qualification Compulsory Core qualification Elective Specia	Core qualification Compulsory Core qualification Elective Specialisation Compulsory Specialisation Elective	Core qualification Compulsory Core qualification Elective Specialisation Compulsory Focus Compulsory Focus Compulsory Focus Flective Compulsory	Core qualification Compulsory Specialisation Compulsory Focus Compulsory Core qualification Elective Specialisation Elective Focus Flective Compulsory	Core qualification Compulsory Specialisation Compulsory Focus Compulsory Thesis Compulsory Core qualification Elective Specialisation Elective Focus Flective Compulsory Interdisciplinary

LP	Semester 1 Form	rs/wskemester 2 Formir	s/&kmester 3 Forthr	s/Sikmester 4 Forthers	s/Sikmester 5 Formirs	/wsieemester 6 Forming	s/wsiemester 7 Formirs/w
1 2 3 4 5	Chemistry (GES) Chemistry I VL 2 Chemistry II VL 2 Chemistry I HÜ 1 Chemistry II HÜ 1	Technical Thermodynamics I Technical Technical Technical Technical Thermodynamics I Technical Thermodynamics I UE 1 Thermodynamics I	Technical Thermodynamics II Technical Technical Technical Thermodynamics II Technical Thermodynamics II Technical UE 1 Thermodynamics II	Mechanical Engineering: Design (part 2) Team Project Design PBL2 Methodology Mechanical Design PBL3 Project II Fundamentals of Materials Science (part 2) Fundamentals of VL 2 Materials Science II	Computer Engineering Computer Engineering VL 3 Computer Engineering UE 1	Foundations of Management Introduction to VL 3 Management Management Tutorial UE 2	Advanced Internship AIW/ GES
7	Linear Algebra	Mathematical Analysis	Mathematics III	Advanced Mechanical Engineering Design (part 2)	Introduction to Control	Integrated Product	
9	Linear Algebra VL 4 Linear Algebra HÜ 2 Linear Algebra UE 2	Mathematical Analysis VL 4 Mathematical Analysis HÜ 2 Mathematical Analysis UE 2	Analysis III VL 2 Analysis III UE 1 Analysis III HÜ 1 Differential Equations VL 2 1	Advanced Mechanical VL 2 Engineering Design II Advanced Mechanical HÜ 2 Engineering Design II	Introduction to VL 2 Control Systems Introduction to UE 2 Control Systems	Development and Lightweight Design Integrated Product VL 2 Development I Development of VL 2 Lightweight Design	
10 11 12 13			Differential Equations UE 1 Differential Equations HÜ 1 1	Fluid Dynamics Fluid Mechanics VL 3 Fluid Mechanics HÜ 2	Measurement Technology	Products CAE-Team Project PBL2 Aeronautical Systems	
14 15	Electrical Engineering I	Electrical Engineering II	Mechanics III (GES)	Mechanics IV (Kinetics II,	for Mechanical Engineers Measurement VL 2	Air Transportation VL 2 Systems	
16 17 18	Electrical Engineering VL 3 I Electrical Engineering UE 2 I	Electrical Engineering VL 3	Mechanics III HÜ 1 Mechanics III UE 2 Mechanics III VL 3	Oscillations, Analytical Mechanics, Multibody Systems) Mechanics IV VL 3 Mechanics IV UE 2 Mechanics IV HÜ 1	Technology for Mechanical Engineering Measurement HÜ 1 Technology for Mechanical Engineering	Fundamentals of VL 2 Aircraft Systems Fundamentals of UE 1 Aircraft Systems Air Transportation HÜ 1 Systems	
					Practical Course: PR 2 Measurement and Control Systems		
19 20 21 22	Mechanics I (GES)	Mechanics II (GES)	Mechanical Engineering:	Signals and Systems	Advanced Mechanical Design Project Advanced Mechanical PBL4	Advanced Materials Advanced Materials VL 2 Characterization	Bachelor Thesis
23	Mechanics I VL 2 Mechanics I HÜ 3		Design (part 1) Embodiment Design VL 2	Signals and Systems VL 3 Signals and Systems UE 2	Design Project	Advanced Materials VL 2 Design	

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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.