Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w22)

	course plan B Bachelor Genera	al Engineering Science (Germa	n program, 7 semester) (AIWBS	(7)) Dual		alisation Compulsory Focus Compulsory	Thesis Compulsory
, ,	rogram	Focus Aircraft Contains Foots	a vi v a		Core Qualification Elective Compulsory Specia	alisation Elective Compulsory Focus Elective Com	Interdisciplinary complement
ciai	isation Mechanical Engineering,	Focus Aircraft Systems Engine	ering				
	Chemistry VL 4 Chemistry I+II VL 4 Chemistry I+II HÛ 2	Electrical Engineering II: Alternating Current Networks and Basic Devices Electrical Engineering III: Alternating UL 3 Current Networks and Basic Devices Electrical Engineering II: Alternating GÜ 2 Current Networks and Basic Devices	Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1 Technical Thermodynamics II GÜ 1	Signals and Systems VL 3 Signals and Systems GÜ 2	Introduction to Control Systems Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2	Foundations of Management Introduction to Management VL Management Tutorial GÜ	
	Electrical Engineering I: Direct Current	Fundamentals of Mechanical Engineering	Mathematics III	Practical module 4 (dual study program,	Practical module 5 (dual study program,	Digital Product Development and Lightweig	ha .
	Networks and Electromagnetic Fields Electrical Engineering I: Direct Current VL 3 Networks and Electromagnetic Fields Electrical Engineering I: Direct Current GÜ 2 Networks and Electromagnetic Fields	Pesign Fundamentals of Mechanical Engineering VL 2 Design Fundamentals of Mechanical Engineering HÜ 2 Design	Analysis III VL 2 Analysis III GÜ 1 Analysis III HÜ 1 Differential Equations 1 VL 2 Differential Equations 1 GÜ 1 Differential Equations 1 HÜ 1	Practical term 4 0	Practical term 5 0	Design Digital Product Development VL Development of Lightweight Design VL Products CAE-Team Project PBL	2 2 2
\dashv	Mathematics I	Technical Thermodynamics I		Fluid Dynamics	Measurement Technology for Mechanical	Aeronautical Systems	
	Mathematics I VL 4 Mathematics I HÜ 2 Mathematics I GÜ 2	Technical Thermodynamics I VL 2 Technical Thermodynamics I HÜ 1 Technical Thermodynamics I GÜ 1	Practical module 3 (dual study program, Bachelor's degree) Practical term 3 0	Fluid Mechanics VL 3 Fluid Mechanics HÜ 2	Engineers Measurement Technology for Mechanical VL 2 Engineering Measurement Technology for Mechanical PR 2 Engineering Practical Course: Measurement and PR 2 Control Systems	Air Transportation Systems VL Fundamentals of Aircraft Systems VL Fundamentals of Aircraft Systems GÜ Air Transportation Systems HÜ	2
		Mathematics II		Computational Mechanics	Advanced Mechanical Design Project	Fundamentals of Production and Quality	Bachelor thesis (dual study program)
	Computer Science for Engineers - Introduction and Overview	Mathematics II VL 4 Mathematics II HÜ 2 Mathematics II GÜ 2	Engineering Mechanics III (Dynamics)	Computational Multibody Dynamics IV 2 Computational Mechanics GÜ 2 Computational Stuctural Mechanics IV 2	Advanced Mechanical Design Project PBL 4	Management Production Process Organization VL Quality Management VL	
	Computer Science for Engineers - VL 3 Introduction and Overview Computer Science for Engineers - GÜ 2		Engineering Mechanics III VL 3 Engineering Mechanics III GÜ 2 Engineering Mechanics III HÜ 1				
	Introduction and Overview			Advanced Mechanical Engineering Design	Numerical Mathematics I	Computer Science for Engineers -	
	Practical module 1 (dual study program, Bachelor's degree) Practical term 1 0	Practical module 2 (dual study program, Bachelor's degree) Practical term 2 0	Advanced Mechanical Engineering Design (part 1) Advanced Mechanical Engineering VL 2 Design 1	(part 2) Advanced Mechanical Engineering VL 2 Design II VL 2 Design II VL 2 Design II	Numerical Mathematics I VL 2 Numerical Mathematics I GÜ 2	Programming Concepts, Data Handling & Communication Computer Science for Engineers - VL Programming Concepts, Data Handling & Communication Computer Science for Engineers - GÜ	
-			Advanced Mechanical Engineering HÜ 2 Design I	Mechanical Engineering: Design (part 2) Team Project Design Methodology PBL 2		Programming Concepts, Data Handling & Communication	
			Mechanical Engineering: Design (part 1)	Mechanical Design Project II PBL 3			
			Embodiment Design and 3D-CAD VL 2 Introduction and Practical Training				
-	Engineering Mechanics I (Stereostatics)	Engineering Mechanics II (Elastostatics)	Mechanical Design Project I PBL 3 Fundamentals of Materials Science				
	Engineering Mechanics I VL 2 Engineering Mechanics I GÛ 2	Engineering Mechanics II (Elastostatics) Engineering Mechanics II VL 2 Engineering Mechanics II GÜ 2 Engineering Mechanics II HÜ 2	Fundamentals of Materials Science Fundamentals of Materials Science I VL 2 Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials VL 2				
	Engineering Mechanics I HÜ 1		Science				

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.