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

	course plan A Bachelor Genera	al Engineering Science (Germai	n program, 7 semester) (AIWB	S(7)) Dual		isation Compulsory Focus Compulsory	Thesis Compulsory
, ,	rogram	Farm Nimmel Carlant Far			Core Qualification Elective Compulsory Special	isation Elective Compulsory Focus Elective Compulsor	ry Interdisciplinary complement
cıal	isation Mechanical Engineering,	Focus Aircraft Systems Engine	ering				
	Chemistry         VL 4           Chemistry I+II         VL 4           Chemistry I+II         HÜ 2	Electrical Engineering II: Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating VL 3 Current Networks and Basic Devices Electrical Engineering II: Alternating GÜ 2 Current Networks and Basic Devices	Technical Thermodynamics II	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 3 Management Tutorial GÜ 2	Advanced Internship AIW/ ES
0	Electrical Engineering I: Direct Current 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	Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering VL 2 Design Fundamentals of Mechanical Engineering HÜ 2 Design	Mathematics III	Practical module 4 (dual study program, Bachelor's degree) Practical term 4 0	Practical module 5 (dual study program, Bachelor's degree) Practical term 5 0	Digital Product Development and Lightweight Design Digital Product Development VL 2 Development of Lightweight Design VL 2 Products CAE-Team Project PBL 2	
_	Mathematics I	Technical Thermodynamics I		Fluid Dynamics	Measurement Technology for Mechanical	Aeronautical Systems	
i	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	Measurement Technology for Mechanical VL 2 Engineering Measurement Technology for Mechanical PR 2 Engineering Practical Course: Measurement and PR 2 Control Systems	Ali Transportation Systems VL 2 Fundamentals of Aircraft Systems VL 2 Fundamentals of Aircraft Systems GÜ 1 Air Transportation Systems HÜ 1	
)		Mathematics II         VL         4           Mathematics II         HÜ         2		Computational Mechanics Computational Multibody Dynamics IV 2 Computational Mechanics GÜ 2	Advanced Mechanical Design Project  Advanced Mechanical Design Project PBL 4	Fundamentals of Production and Quality  Management  Production Process Organization VL 2	Bachelor thesis (dual study program)
L 2 3	Computer Science for Engineers - Introduction and Overview Computer Science for Engineers - VL 3 Introduction and Overview Computer Science for Engineers - GÜ 2 Introduction and Overview	Mathematics II GÜ 2	Engineering Mechanics III (Dynamics)  Engineering Mechanics III VL 3  Engineering Mechanics III GÜ 2  Engineering Mechanics III HÜ 1	Computational Stuctural Mechanics IV 2		Quality Management VL 2	
5	introduction and overview			Advanced Mechanical Engineering Design	Computational Fluid Dynamics I	Computer Science for Engineers -	
7	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	(part 2) Advanced Mechanical Engineering VL 2 Design II Advanced Mechanical Engineering HÜ 2 Design II	Computational Fluid Dynamics I VL 2 Computational Fluid Dynamics I HÜ 2	Programming Concepts, Data Handling & Communication Computer Science for Engineers - VL 3 Programming Concepts, Data Handling & Communication	
			Design I  Advanced Mechanical Engineering HÜ 2  Design I	Mechanical Engineering: Design (part 2)  Team Project Design Methodology PBL 2		Computer Science for Engineers - GŪ 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 Mechanical Design Project I PBL 3				
	Engineering Mechanics I (Stereostatics) Engineering Mechanics I VL 2	Engineering Mechanics II (Elastostatics) Engineering Mechanics II VL 2	Fundamentals of Materials Science Fundamentals of Materials Science II VL 2				
	Engineering Mechanics I VL 2 Engineering Mechanics I GÜ 2 Engineering Mechanics I HÜ 1	Engineering Mechanics II VL 2 Engineering Mechanics II GÜ 2 Engineering Mechanics II HÜ 2	Fundamentals of Materials Science II VL 2 Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials VL 2 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.