Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w19)

imple course plan A. Bach	elor Gene	ral Engineering Science (Germa	n program. 7 semester) (AIW	(BS(7))		Core Qualification Compulsory Specialist Spe	sation Compulsory Focus Compulsory sation Elective Compulsory Focus Elective Compulsory	ory Interdisciplinary complement
		J. Focus Aircraft Systems Engine						
		, , ,	3					
Chemistry	VL 2	Electrical Engineering II: Alternating Current Networks and Basic Devices	Technical Thermodynamics II	Signals and Systems	VII 2	Introduction to Control Systems	Foundations of Management	Advanced Internship AIW/ ES Advanced Internship AIW/ ES: SE
Chemistry II	VL 2 VL 2	Electrical Engineering II: Alternating VL 3	Technical Thermodynamics II VL Technical Thermodynamics II HÜ		VL 3 GÜ 2	Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2	Introduction to Management VL 3 Management Tutorial GÜ 2	Advanced Internship AIW/ ES: SE Preparation
Chemistry I	HÜ 1	Current Networks and Basic Devices	Technical Thermodynamics II GÜ		GU 2	introduction to Control Systems GO 2	Management rutoriai GO 2	Advanced Intenship AIW/ ES: Internship- SE
Chemistry II	HÜ 1	Electrical Engineering II: Alternating GÜ 2	recinical memodynamics ii Go	-				accompanying Seminar
	110 1	Current Networks and Basic Devices						
Electrical Engineering I: Direct 0	Current	Fundamentals of Mechanical Engineering	Mathematics III	Fluid Dynamics		Computer Engineering	Integrated Product Development and	
Networks and Electromagnetic		Design	Analysis III VL		VL 3	Computer Engineering VL 3	Lightweight Design	
Electrical Engineering I: Direct Curre		Fundamentals of Mechanical Engineering VL 2	Analysis III GÜ	1 Fluid Mechanics	HÜ 2	Computer Engineering GÜ 1	Integrated Product Development I VL 2	
Networks and Electromagnetic Field		Design	Analysis III HÜ	1			Development of Lightweight Design VL 2	
Networks and Electromagnetic Field		Fundamentals of Mechanical Engineering HÜ 2 Design	Differential Equations 1 VL	2			Products	
l	13	Design	Differential Equations 1 GÜ	1			CAE-Team Project PBL 2	
2			Differential Equations 1 HÜ	1				
Mathematics I		Technical Thermodynamics I		Mechanics IV (Oscillations, Analytical		Measurement Technology for Mechanical	Aeronautical Systems	
Linear Algebra I	VL 2	Technical Thermodynamics I VL 2		Mechanics, Multibody Systems, Nume	erical	Engineers	Air Transportation Systems VL 2	
Linear Algebra I	GÜ 1	Technical Thermodynamics I HÜ 1		Mechanics)		Measurement Technology for Mechanical VL 2	Fundamentals of Aircraft Systems VL 2	
Linear Algebra I	HÜ 1	Technical Thermodynamics I GŪ 1	Mechanics III (Dynamics)	Mechanics IV	VL 3	Engineering	Fundamentals of Aircraft Systems GÜ 1	
Analysis I	VL 2		Mechanics III VL		GŪ 2	Measurement Technology for Mechanical HÜ 1	Air Transportation Systems HÜ 1	
Analysis I	GÜ 1		Mechanics III GÜ	2 Mechanics IV	HÜ 1	Engineering		
Analysis I	HÜ 1		Mechanics III HÜ	1		Practical Course: Measurement and PR 2 Control Systems		
8						Control systems		
9		Mechanics II: Mechanics of Materials		Mechanical Engineering: Design (part	2)	Advanced Mechanical Design Project	Fundamentals of Production and Quality	Bachelor Thesis
		Mechanics II VL 2			PBL 2	Advanced Mechanical Design Project PBL 4	Management	
Mechanics I (Statics)		Mechanics II	Mechanical Engineering: Design (part 1)	Mechanical Design Project II	PBL 3		Production Process Organization VL 2 Quality Management VL 2	
	VL 2	Mechanics II HU 2	Embodiment Design and 3D-CAD VL	2			Quality Management VE 2	
Mechanics I	GŪ 2		Mechanical Design Project I PBL	Fundamentals of Materials Science (p				
Mechanics I	HÜ 1			Fundamentals of Materials Science II	VL 2			
			Fundamentals of Materials Science (part 1)	Advanced Mechanical Engineering De	sign			
		Mathematics II	Fundamentals of Materials Science I VL	(part 2)		Computational Fluid Dynamics I		
		Linear Algebra II VL 2	Physical and Chemical Basics of Materials VL		VL 2	Computational Fluid Dynamics I VL 2		
		Linear Algebra II GÜ 1	Science	Design II		Computational Fluid Dynamics I HÜ 2		
		Linear Algebra II HÜ 1		Advanced Mechanical Engineering Design II	HÜ 2			
		Analysis II VL 2		Design II				
Programming in C		Analysis II HÜ 1						
Programming in C	VL 1	Analysis II GÜ 1	Advanced Mechanical Engineering Design					
Programming in C	PR 1		(part 1)					
Physics for Engineers (AIW)			Advanced Mechanical Engineering VL	2				
Physics for Engineers	VL 2		Design I					
Physics for Engineers	GÜ 1		Advanced Mechanical Engineering HÜ Design I	2				
			Design (1	
1								
2								
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.