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

	ourse plan B Bachelor Genera ation:Mechanical Engineering						Interdisciplinary complement
ecialise	amous mechanical Engine and we	FormHrs/wk	Semester 3 FormHrs/wk	Semester 4 FormHr	wk Semester 5 FormHrs/w	k Semester 6 FormHrs/wk	Semester 7 FormHrs
	hemistry	Electrical Engineering II: Alternating Current	Technical Thermodynamics II	Signals and Systems	Introduction to Control Systems	Foundations of Management	Advanced Internship AIW/ ES
	hemistry I+II VL 4	Networks and Basic Devices  Electrical Engineering II: Alternating VL 3	Technical Thermodynamics II VL 2	Signals and Systems VL	Introduction to Control Systems VL 2	Introduction to Management VL 3	Advanced Internship AIW/ ES: SE Preparation
Cr	hemistry I+II HÜ 2	Current Networks and Basic Devices	Technical Thermodynamics II HÜ 1  Technical Thermodynamics II GÜ 1	Signals and Systems GÜ 2	Introduction to Control Systems GÜ 2	Management Tutorial GÜ 2	Advanced Intenship AIW/ ES: Internship- SE
		Electrical Engineering II: Alternating GÜ 2	reclinical memodynamics ii GO 1				accompanying Seminar
		Current Networks and Basic Devices					
i I							
El	lectrical Engineering I: Direct Current	Fundamentals of Mechanical Engineering	Mathematics III	Fluid Dynamics	Measurement Technology for Mechanical	Electrical Machines and Actuators	
5	letworks and Electromagnetic Fields	Design	Analysis III VL 2	Fluid Mechanics VL	Engineers	Electrical Machines and Actuators VL 3	
Ele	lectrical Engineering I: Direct Current VL 3	Fundamentals of Mechanical Engineering VL 2	Analysis III GÜ 1	Fluid Mechanics HÜ	Measurement Technology for Mechanical VL 2	Electrical Machines and Actuators HÜ 2	
	letworks and Electromagnetic Fields  lectrical Engineering I: Direct Current GÜ 2	Design  Fundamentals of Mechanical Engineering HÜ 2	Analysis III HÜ 1		Engineering  Measurement Technology for Mechanical HÜ 1		
.0	letworks and Electromagnetic Fields	Design 2	Differential Equations 1 VL 2		Engineering		
1		g-:	Differential Equations 1         GÜ 1           Differential Equations 1         HÜ 1		Practical Course: Measurement and PR 2		
.2			Differential Equations 1 NO 1		Control Systems		
	tathematics I	Technical Thermodynamics I		Computational Mechanics	Electrical Engineering III: Circuit Theory and	Semiconductor Circuit Design	
	lathematics I VL 4	Technical Thermodynamics I  Technical Thermodynamics I  VL 2		Computational Multibody Dynamics IV	Transients	Semiconductor Circuit Design  Semiconductor Circuit Design  VL 3	
4	lathematics I HÜ 2	Technical Thermodynamics I HÜ 1		Computational Mechanics GÜ	Circuit Theory VL 3	Semiconductor Circuit Design GÜ 1	
-	lathematics I GÜ 2	Technical Thermodynamics I GÜ 1	Engineering Mechanics III (Dynamics)	Computational Stuctural Mechanics IV	Circuit Theory GÜ 2		
6			Engineering Mechanics III VL 3				
.7			Engineering Mechanics III GÜ 2				
			Engineering Mechanics III HÜ 1				
.8							
.9		Mathematics II		Advanced Mechanical Engineering Design	Simulation and Design of Mechatronic	Mathematics IV	Bachelor Thesis
10		Mathematics II VL 4		(part 2)	Systems	Complex Functions VL 2	
1 00	omputer Science for Engineers -	Mathematics II HÜ 2  Mathematics II GÜ 2	Advanced Mechanical Engineering Design	Advanced Mechanical Engineering VL 2  Design II	Simulation and Design of Mechatronic VL 2 Systems	Complex Functions GÜ 1	
	ntroduction and Overview	Mathematics II GŪ 2	(part 1)	Advanced Mechanical Engineering HÜ	Simulation and Design of Mechatronic HÜ 1	Complex Functions         HÜ         1           Differential Equations 2         VL         2	
Cr	omputer Science for Engineers - VL 3		Advanced Mechanical Engineering VL 2	Design II	Systems	Differential Equations 2 GÜ 1	
2	ntroduction and Overview		Design I	Mechanical Engineering: Design (part 2)	Simulation and Design of Mechatronic PR 1	Differential Equations 2 HÜ 1	
2	computer Science for Engineers - GŪ 2		Advanced Mechanical Engineering HÜ 2	Team Project Design Methodology PBL	Systems		
	ntroduction and Overview		Design I	Mechanical Design Project II PBL			
4			Mechanical Engineering: Design (part 1)				
5			Embodiment Design and 3D-CAD VL 2 Introduction and Practical Training	Fundamentals of Materials Science (part 2)		Computer Science for Engineers -	
:6			Mechanical Design Project I PBL 3	Fundamentals of Materials Science II VL 2		Programming Concepts, Data Handling &	
		Engineering Mechanics II (Elastostatics)	Fundamentals of Materials Science (part 1)			Communication  Computer Science for Engineers - VL 3	
7		Linging ing mechanics if (Elastostatics)	The state of the s			Programming Concepts, Data Handling &	
-	ngineering Mechanics I (Stereostatics)		Fundamentals of Materials Science I VI 2				
8 En	ngineering Mechanics I VL 2	Engineering Mechanics II VL 2	Fundamentals of Materials Science I VL 2  Physical and Chemical Basics of Materials VL 2			Communication	
8 En		Engineering Mechanics II VL 2 Engineering Mechanics II GŪ 2	Fundamentals of Materials Science I VL 2  Physical and Chemical Basics of Materials VL 2  Science			Communication $ \begin{tabular}{ll} Computer Science for Engineers - & $G\bar{U}$ & 2 \\ \end{tabular} $	
8 En	ngineering Mechanics I VL 2 ngineering Mechanics I GÜ 2	Engineering Mechanics II VL 2 Engineering Mechanics II GÜ 2	Physical and Chemical Basics of Materials VL 2			Computer Science for Engineers - $G\bar{U}=2$ Programming Concepts, Data Handling &	
19 En	ngineering Mechanics I VL 2 ngineering Mechanics I GÜ 2	Engineering Mechanics II VL 2 Engineering Mechanics II GŪ 2	Physical and Chemical Basics of Materials VL 2			Computer Science for Engineers - GÜ 2	
18 En	ngineering Mechanics I VL 2 ngineering Mechanics I GÜ 2	Engineering Mechanics II VL 2 Engineering Mechanics II GŪ 2	Physical and Chemical Basics of Materials VL 2			Computer Science for Engineers - $G\bar{U}=2$ Programming Concepts, Data Handling &	

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