Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w17)

	nple course plan B Bachelor General Engineering Science (English program, 7 semester) (GESBS(7)) ecialisation Mechanical Engineering, Focus Product Development and Production								Compulsory Core qualification Elective			Focus Compulsory Focus Elective Compulso			Thesis Compulsory Interdisciplinary	
LP									Compulsory	Comp	,	rocus E			complement	
	Semester 1	For ith rs,	/wskemester 2	Formirs	/&kmester 3	Formirs	/&kmester 4	Formins	/wskmester 5 F	or ith rs	/wsemester 6		For ith rs,	∕ & kmes	ter 7	Formirs/wk
2 3	Chemistry (GES) Chemistry I	VL 2	Technical Thermodynamics I	VII 2	Technical Thermodynamics II	VI 2	Mechanical Engine Design (part 2)	_	Computer Engineering V	′L 3	Foundations of Management	of	VL 3	Advan GES	ced Internshi	p AIW/
	Chemistry II Chemistry I	VL 2 HÜ 1	Technical Thermodynamics I	VL 2	Technical Thermodynamics II	VL Z	Team Project Design Methodology	PBL2	Computer Engineering U	JE 1	Introduction to Management		VL 3			
	Chemistry II	HÜ 1	Technical Thermodynamics I	HÜ 1	Technical Thermodynamics II	HÜ 1	Mechanical Design Project II	PBL3			Management Tu	utorial	HÜ 2			
4 5			Technical Thermodynamics I	UE 1	Technical Thermodynamics II	UE 1	Fundamentals of Materials Science (nart 2)								
							Fundamentals of Materials Science II	VL 2								
6 7							Advanced Mechanic									
8	Linear Algebra Linear Algebra	VL 4	Mathematical Analysis Mathematical Analysis		Mathematics III Analysis III	VL 2	Engineering Design 2)	(part	Introduction to Contro Systems	ol	Integrated Pro Development					
	Linear Algebra	HÜ 2	Mathematical Analysis		Analysis III	UE 1	Advanced Mechanical Engineering Design II	VL 2	Introduction to V Control Systems	′L 2	Lightweight D Integrated Prod		\/I 2			
	Linear Algebra	UE 2	Mathematical Analysis	UE 2	Analysis III	HÜ 1	Advanced Mechanical	HÜ 2	Introduction to U	JE 2	Development I		VL 2			
9					Differential Equations 1		Engineering Design II	_	Control Systems		Development of Lightweight Des		VL 2			
10					Differential Equations 1	UE 1	Production Enginee (part 2)	ring			Products CAE-Team Proje	ct	PBL2			
11					Differential Equations	HÜ 1	Production Engineering II	VL 2			- C/12 Cull 1 O/C					
							Production Engineering II	HÜ 1								
12							Fluid Dynamics									
13 14							Fluid Mechanics	VL 3	Measurement Technol	logy	Enhanced Fun	damer	ntals			
15	Electrical Engineeri	na I	Electrical Engineerin	sa II	Mechanics III (GES)		Fluid Mechanics	HÜ 2	for Mechanical and Process Engineers		of Materials S Enhanced	cience	VL 2			
16	Electrical Engineering	_	Electrical Engineering		Mechanics III	HÜ 1				′L 2	Fundamentals:	Metals				
17 18	1		II		Mechanics III	UE 2			Technology for Mechanical and		Enhanced Fundamentals:		VL 2			
	Electrical Engineering I	UE 2	Electrical Engineering	UE 2	Mechanics III	VL 3	Mechanics IV (Kine Oscillations, Analyt		Process Engineers	ΙÜ 1	Ceramics and					
							Mechanics, Multibo Systems)		Technology for	10 1	Polymers Enhanced		HÜ 1			
							Mechanics IV	VL 3	Mechanical and Process Engineers		Fundamentals: Ceramics and					
							Mechanics IV	UE 2	Practical Course: P	R 2	Polymers					
							Mechanics IV	HÜ 1	Measurement and Control Systems							

Advanced Mechanical

Fundamentals of

Bachelor Thesis

20 21 22 23	Mechanics I (GES) Mechanics I VL 2 Mechanics I HÜ 3	Mechanics II (GES) Mechanics II VL 2 Mechanics II HÜ 2	Mechanical Engineering: Design (part 1) Embodiment Design VL 2 and 3D-CAD Mechanical Design PBL3 Project I	Design Project Advanced Mechanical PBL4 Design Project	Production and Quality Management Production Process VL 2 Organization Quality Management VL 2	
24252627			Fundamentals of Materials Science (part 1) Fundamentals of VL 2 Materials Science I	Production Technology Forming and Cutting VL 2		
28	Programming in C Programming in C VL 1 Programming in C PR 1 Physics for Engineers (GES) Physics for Engineers VL 2 Physics for Engineers UE 1	Fundamentals of Mechanical Engineering (GES) Fundamentals of VL 2 Mechanical	Physical and Chemical VL 2 Basics of Materials Science	Technology Forming and Cutting HÜ 1 Technology Fundamentals of VL 2 Machine Tools		
29		Engineering Fundamentals of UE 2 Mechanical Engineering	Advanced Mechanical Engineering Design (part 1) Advanced Mechanical VL 2 Engineering Design I Advanced Mechanical HÜ 2 Engineering Design I	Fundamentals of HÜ 1 Machine Tools		
31 32 33			Production Engineering (part 1)			
33	Nontechnical Complementary (Courses for Bachelors (from cat	Production VL 2 Engineering I Production HÜ 1 Engineering I			

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