Course of Study Mechanical Engineering (Study Cohort w23)

	_		_	_	_	Core Qualification Compulso	Specialisation Compulsory	Focus Compu	Ilsory Thesis Compulsory	
ample course plan B Bachelor M	1echanica	l Engineering (MBBS)				Core Qualification Elective C	Ompulsory Specialisation Elective Compulsory	Focus Elective	e Compulsory Interdisciplinary compl	lement
ecialisation Aircraft Systems Er	ngineering									
Mathematics I		Fundamentals of Mechanical Engineering Design	Advanced Mechanical En	ngineering Design (part 1)	Advanced Mechanical Engi	neering Design (next 2)	Advanced Mechanical Design Project		Foundations of Management	
Mathamatica I	VL 4	Fundamentals of Mechanical Engineering Design  Fundamentals of Mechanical Engineering Design VL					Advanced Mechanical Design Project  Advanced Mechanical Design Project	PBL 4	Introduction to Management	VL
Mathematics I	HÜ 2	Fundamentals of Mechanical Engineering Design HÜ					Advanced Mechanical Design Project	100 4	Management Tutorial	GÜ
Mathematics I	GÜ 2	randamentals of Meetianical Engineering Sesign 110	Advanced Mechanical Engli	cerning besigning 110	2 Navancea Mechanical Enginee	and pengin in the E			Management rational	00
1			Mechanical Engineering	Design (part 1)	Mechanical Engineering: D	esign (part 2)				
			Embodiment Design and 3E							
			and Practical Training		Mechanical Design Project II	PBL 3				
5			Mechanical Design Project I	PBL :	3					
7		Technical Thermodynamics I	Basics of Electrical Engir	neering	Fluid Dynamics		Introduction to Control Systems		Digital Product Development and Lightwe	eight Desig
3		Technical Thermodynamics I VL	Basics of Electrical Enginee	ring VL :	3 Fluid Mechanics	VL 3	Introduction to Control Systems	VL 2	Digital Product Development	VL 2
		Technical Thermodynamics I HÜ	Basics of Electrical Enginee	ring GŪ :	2 Fluid Mechanics	HŪ 2	Introduction to Control Systems	GÜ 2	Development of Lightweight Design Products	VL 2
Fundamentals of Materials Science		Technical Thermodynamics I GÜ							CAE-Team Project	PBL 2
Fundamentals of Materials Science II  Fundamentals of Materials Science I	VL 2 VL 2									
11 Physical and Chemical Basics of Materials Science										
12										
13										
		Production Engineering Production Engineering I VL	Technical Thermodynamics Technical Thermodynamics		Computational Mechanics Computational Multibody Dyn	amics IV 2	Measurement Technology for Mechanical  Measurement Technology for Mechanical	al Engineers VL 2	Aeronautical Systems Air Transportation Systems	VL :
14		Production Engineering II VL	The second secon		1 1	GÜ 2	Engineering	VL Z	Fundamentals of Aircraft Systems	VL 2
15 Team Project MB		Production Engineering II HÜ	Technical Thermodynamics				Measurement Technology for Mechanical	PR 2	Fundamentals of Aircraft Systems	GÜ :
Team Project MB	PBL 6	Production Engineering I HÜ			,		Engineering		Air Transportation Systems	HÜ 1
							Practical Course: Measurement and Control	PR 2		
17							Systems			
18										
19		Mathematics II	Mathematics III		Modeling, Simulation and	Optimization (EN)			Bachelor Thesis	
20		Mathematics II VL	Analysis III	VL 2	2 Modeling, Simulation and Opt	mization IV 4				
		Mathematics II HÜ	· ·	GŪ :						
Overview	uction and	Mathematics II GÜ	The state of the s	HÜ :						
22 Computer Science for Engineers - Introduction	n VL 3		Differential Equations 1	VL 2						
23 and Overview			Differential Equations 1 Differential Equations 1	GŪ : HÜ :						
Computer Science for Engineers - Introduction	n GÜ 2		Differential Equations 1	HO .	•					
and Overview					Fundamentals of F. 1. 11					
					Production Process Organizati	n and Quality Management on VL 2				
26					Quality Management	VL 2				
Engineering Mechanics I (Stereostatics)		Engineering Mechanics II (Elastostatics)	Engineering Mechanics I	II (Dynamics)	,,					
Engineering Mechanics I	VL 2	Engineering Mechanics II VL		VL :						
Engineering Mechanics I	GÜ 2	Engineering Mechanics II GÜ		GÜ :						
Engineering Meerianies (	HÜ 1	Engineering Mechanics II HÜ	Engineering Mechanics III	HÜ :	1					
30										
31										
32										
-										

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.