Course of Study Mechanical Engineering (Study Cohort w20)

	l Engineering (MBBS)			Core Qualific	ation Elective Con	pulsory Specialisation Elective Compulsory Focus	Elective Co	ompulsory Interdisciplinary compl	lement
lisation Mechatronics									
Production Engineering (part 1) Production Engineering I VL 2 Production Engineering I HÛ 1	Production Engineering (part 2) Production Engineering II VL 2 Production Engineering II HÜ 1	Advanced Mechanical Engineering Design (g Advanced Mechanical Engineering Design I Advanced Mechanical Engineering Design I	oart 1) VL 2 HÜ 2	Advanced Mechanical Engineering Design Advanced Mechanical Engineering Design II Advanced Mechanical Engineering Design II	yn (part 2) VL 2 HÜ 2	Advanced Mechanical Design Project Advanced Mechanical Design Project PBL	4	Introduction to Management	VL 3 GÜ 2
Computer Science for Mechanical Engineers Computer Science for Mechanical Engineers VL 3 Computer Science for Mechanical Engineers GÜ 2	Fundamentals of Materials Science (part 2) Fundamentals of Materials Science II VL 2 Fundamentals of Mechanical Engineering Design	Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD Mechanical Design Project I	VL 2 PBL 3	Mechanical Engineering: Design (part 2) Team Project Design Methodology Mechanical Design Project II	PBL 2 PBL 3				
	Fundamentals of Mechanical Engineering Design HÜ 2	Basics of Electrical Engineering Basics of Electrical Engineering Basics of Electrical Engineering	VL 3 GÜ 2	Fluid Dynamics Fluid Mechanics Fluid Mechanics	VL 3 HÜ 2	Introduction to Control Systems VL			VL 3 GÜ 1
Mathematics I VL 2 Linear Algebra I GÜ 1 Linear Algebra I HÜ 1	Technical Thermodynamics I								
Analysis I VL 2 Analysis I GÜ 1 Analysis I HÜ 1	Technical Thermodynamics I VL 2 Technical Thermodynamics I HÜ 1 Technical Thermodynamics I GÜ 1	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1 GÜ 1			Measurement Technology for Mechanical VL Engineering Measurement Technology for Mechanical HÜ Engineering	1	Bachelor Thesis	
Mechanics I (Statics) Mechanics I VL 2 Mechanics I GÜ 2 Mechanics I HÜ 1	Mechanics II: Mechanics of Materials Mechanics II VL 2 Mechanics II GÜ 2 Mechanics II HÜ 2	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1	VL 2 GÜ 1 HÜ 1 VL 2 GÜ 1	Mathematics IV Complex Functions Complex Functions Complex Functions Differential Equations 2 Differential Equations 2	VL 2 GÜ 1 HÜ 1 VL 2 GÜ 1	Simulation and Design of Mechatronic Systems HÜ	1		
Fundamentals of Materials Science (part 1) Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials Science VL 2	Mathematics II VL 2 Linear Algebra II GÜ 1 Linear Algebra II HÜ 1 Analysis II VL 2	Differential Equations 1 Mechanics III (Dynamics)	HÜ 1	Differential Equations 2 Electrical Machines and Actuators Electrical Machines and Actuators Electrical Machines and Actuators	HÜ 1 VL 3 HÜ 2				
Team Project MB Team Project MB PBL 6	Analysis II HÜ 1 Analysis II GÜ 1	Mechanics III Mechanics III Mechanics III	VL 3 GÜ 2 HÜ 1						
	Production Engineering VL 2 Production Engineering H0	Production Engineering VL 2 Prod	Production Engineering	Production Engineering Number Production Engineering Number Numbe	Production Engineering Vis. 2 Production Engineering Vis. 2 Advanced Mechanical Engineering Design No. 2 Advanced Mechanical Engineering De	Poduction Engineering Vic. 2 Poduction Engineering No. 2 Poduction No. 2 Poduction Engineering No. 2 Poduction Engineering No. 2 Poduction Engineering No. 2 Poduction Engin	Manage	Mathematic Injuncing Mathematic Injuncing	Monitor Dipolement Monitor

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.