Course of Study Mechanical Engineering (Study Cohort w23) Specialisation Compulsory Specialisation Engineering (MERC) Thesis Corr The Study Computer of the P. Pascheles Mechanical Engineering (MERC)

	e course plan B Bachelor Mechanica			Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Interdisciplinary complement			
pecia	lisation Materials in Engineering Scie	ences					
1 2 3 4 5	Mathematics I VL 4 Mathematics I HÜ 2 Mathematics I GÜ 2	Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering Design VL 2 Fundamentals of Mechanical Engineering Design HÜ 2	Advanced Mechanical Engineering Design (part 1) Advanced Mechanical Engineering Design I VL 2 Advanced Mechanical Engineering Design I HÜ 2 Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD Introduction VL 2 and Practical Training Mechanical Design Project I PBL 3	Advanced Mechanical Engineering Design (part 2) Advanced Mechanical Engineering Design II VL 2 Advanced Mechanical Engineering Design II HÜ 2 Mechanical Engineering: Design (part 2) Team Project Design Methodology PBL 2 Mechanical Design Project II PBL 3	Advanced Mechanical Design Project Advanced Mechanical Design Project PBL 4	Foundations of Management Introduction to Management VL Management Tutorial GÜ	
7 8		Technical Thermodynamics I Technical Thermodynamics I VL 2	Basics of Electrical Engineering Basics of Electrical Engineering VL 3	Fluid Dynamics Fluid Mechanics VL 3	Introduction to Control Systems Introduction to Control Systems VL 2	Enhanced Fundamentals of Materials Science Materials for Energy Storage and Conversion VL :	
9 10 11 12	Fundamentals of Materials Science Fundamentals of Materials Science II VL 2 Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials Science VL 2	Technical Thermodynamics I HÜ 1 Technical Thermodynamics I GÜ 1	Basics of Electrical Engineering GÜ 2	Fluid Mechanics HÜ 2	Introduction to Control Systems GÜ 2	Enhanced Fundamentals: Ceramics and VL 2 Polymers Enhanced Fundamentals: Ceramics and HÜ 1 Polymers	
13 14		Production Engineering VL 2 Production Engineering I VL 2 Production Engineering II VL 2	Technical Thermodynamics II	Computational Mechanics Computational Multibody Dynamics IV 2 Computational Mechanics GÜ 2	Measurement Technology for Mechanical Engineers Measurement Technology for Mechanical VL 2 Engineering	Materials Engineering: Materials Selection, Processing and Modelling Materials Selection and Processing VL	
15 16 17 18	Team Project MB Team Project MB PBL 6	Production Engineering II HÜ 1 Production Engineering I HÜ 1 Production Engineering I HÜ 1	Technical Thermodynamics II GÜ 1	Computational Stuctural Mechanics IV 2	Measurement Technology for Mechanical PR 2 Engineering Practical Course: Measurement and Control PR 2 Systems	Materials and Process Modeling VL	
19 20		Mathematics II VL 4 Mathematics II HÜ 2	Mathematics III VL 2 Analysis III GÜ 1	Fundamentals of Production and Quality Management Production Process Organization VL 2	Materials Science Laboratory Companion Lecture for Materials Science VL 2 Laboratory	Bachelor Thesis	
21 22 23 24 25 26	Computer Science for Engineers - Introduction and Overview Computer Science for Engineers - Introduction And Overview Computer Science for Engineers - Introduction GÜ 2 and Overview	Mathematics II HÜ 2 Mathematics II GÜ 2	Analysis III	Quality Management VL 2	Material Science Laboratory PR 4		
27 28 29 30 31	Engineering Mechanics I (Stereostatics) Engineering Mechanics I VL 2 Engineering Mechanics I GÜ 2 Engineering Mechanics I HÜ 1	Engineering Mechanics II (Elastostatics) Engineering Mechanics II VL 2 Engineering Mechanics II GÜ 2 Engineering Mechanics II HÜ 2	Engineering Mechanics III (Dynamics) Engineering Mechanics III VL 3 Engineering Mechanics III G0 2 Engineering Mechanics III H0 1				

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.