Course of Study Mechatronics (Study Cohort w180/Hication Compulsory Specialisation Elective Compulsory Interdisciplinary complement

ampl	e sourse plan B Bachelor Mechatr	onics (MECBS)	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk	Semester 5	Form Hrs/wk	Semester 6	Form Hrs/w
2	Procedural Programming Procedural Programming VL Procedural Programming HÜ	1 Electrical Engineering II: Alternating Current	ent Networks VL 3	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	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1	Electrical Machines and Actuators Electrical Machines and Actuators Electrical Machines and Actuators	VL 3 HÜ 2
3 4 5	Procedural Programming PR	2 Networks and Basic Devices Electrical Engineering II: Alternating Current Networks and Basic Devices	GÜ 2	Electrical Engineering III: Circuit Theory an Transients		Production Engineering (part 2) Production Engineering II	VL 2	Technical Thermodynamics II	GÜ 1		
5				Circuit Theory Circuit Theory	VL 3 GÜ 2	Production Engineering II	HÜ 1				
7	Electrical Engineering I: Direct Current Networks an	Fundamentals of Mechanical Engineering Design				Technical Thermodynamics I		Foundations of Management		Semiconductor Circuit Design	
3 9	Electromagnetic Fields Electrical Engineering I: Direct Current Networks VL and Electromagnetic Fields	Fundamentals of Mechanical Engineering Design VL 2 Fundamentals of Mechanical Engineering Design HÜ 2				Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I	VL 2 HÜ 1 GÜ 1	Introduction to Management Management Tutorial	VL 3 GÜ 2	Semiconductor Circuit Design Semiconductor Circuit Design	VL 3 GÜ 1
10	Electrical Engineering I: Direct Current Networks GÜ and Electromagnetic Fields	2		Production Engineering (part 1)							
11 12				Production Engineering I Production Engineering I	VL 2 HÜ 1						
L3	Mathematics I	Mechanics II: Mechanics of Materials		Computer Engineering		Signals and Systems		Introduction to Control Systems		Bachelor Thesis	
4	Linear Algebra I VL Linear Algebra I GÜ	Mechanics II Mechanics II	VL 2 GÜ 2	Computer Engineering Computer Engineering	VL 3 GÜ 1	Signals and Systems Signals and Systems	VL 3 GÜ 2	Introduction to Control Systems Introduction to Control Systems	VL 2 GÜ 2		
5	Linear Algebra I HÜ	1 Mechanics II	HÜ 2	compacer Engineering	00 1	Signals and Systems	00 2	maddenin to control systems	00 1		
.6	Analysis I VL	2									
L7	Analysis I GÜ Analysis I HÜ	1									
.8											
9		Mathematics II		Mathematics III		Mathematics IV		Measurement Technology for Mechanical E	ngineers		
0		Linear Algebra II	VL 2	Analysis III	VL 2	Complex Functions	VL 2	Measurement Technology for Mechanical	VL 2		
21	Mechanics I (Statics)	Linear Algebra II Linear Algebra II	GÜ 1 HÜ 1	Analysis III Analysis III	GÜ 1 HÜ 1	Complex Functions Complex Functions	GÜ 1 HÜ 1	Engineering Measurement Technology for Mechanical	HÜ 1		
2	Mechanics I VL		VL 2	Differential Equations 1	VL 2	Differential Equations 2	VL 2	Engineering			
3	Mechanics I GÜ	Analysis ii	HÜ 1	Differential Equations 1	GÜ 1	Differential Equations 2	GÜ 1	Practical Course: Measurement and Control	PR 2		
:3	Mechanics I HŪ	1 Analysis II	GÜ 1	Differential Equations 1	HÜ 1	Differential Equations 2	HŪ 1	Systems			
25						Mechanics IV (Kinetics II, Oscillations, Ana	lutical	Simulation and Design of Mechatronic Syst	ame		
:6						Mechanics, Multibody Systems)	iyacai	Simulation and Design of Mechatronic Systems			
						Mechanics IV	VL 3	Simulation and Design of Mechatronic Systems	HÜ 1		
27	Fundamentals of Materials Science (part 1) Fundamentals of Materials Science VL	Fundamentals of Materials Science (part : Fundamentals of Materials Science II	2) VL 2	Mechanics III (Hydrostatics, Kinematics, Ki		Mechanics IV	GÜ 2	Simulation and Design of Mechatronic Systems	PR 1		
28	Physical and Chemical Basics of Materials Science VL		VL Z	Mechanics III	VL 3 GÜ 2	Mechanics IV	HÜ 1				
29				Mechanics III	HÜ 1						
30											
31											
32	1										
	Nontechnical Complementary 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.