Course of Study Mechatronics (Study Cohort w2 or goldification Compulsory Specialisation Elective Compulsory Specialisation Elective Compulsory Interdisciplinary complement

FLIIDIG	course plan C Bachelor Mechatron	iics (MLCD3)						
1	Procedural Programming	Electrical Engineering II: Alternating Current Networks	Mechanical Engineering: Design (part 1)		Mechanical Engineering: Design (part 2)		Technical Thermodynamics II	Electrical Machines and Actuators
2	Procedural Programming VL 1	and Basic Devices	Embodiment Design and 3D-CAD	VL 2	Team Project Design Methodology	PBL 2	Technical Thermodynamics II VL 2	
3	Procedural Programming HÜ 1	Electrical Engineering II: Alternating Current VL 3	Mechanical Design Project I	PBL 3	Mechanical Design Project II	PBL 3	Technical Thermodynamics II HÜ 1	Electrical Machines and Actuators HÜ
	Procedural Programming PR 2	Networks and Basic Devices Electrical Engineering II: Alternating Current GÜ 2					Technical Thermodynamics II GÜ 1	·
4		Networks and Basic Devices	Electrical Engineering III: Circuit Theory and Transients	d	Production Engineering (part 2)			
5			Circuit Theory	VL 3	Production Engineering II Production Engineering II	VL 2 HÜ 1		
6			Circuit Theory	GÜ 2	Froduction Engineering ii	HO I		
7	Electrical Engineering I: Direct Current Networks and	Fundamentals of Mechanical Engineering Design			Technical Thermodynamics I		Foundations of Management	Semiconductor Circuit Design
8	Electromagnetic Fields	Fundamentals of Mechanical Engineering Design VL 2			Technical Thermodynamics I	VL 2	Introduction to Management VL 3	Semiconductor Circuit Design VL
9	Electrical Engineering I: Direct Current Networks VL 3	Fundamentals of Mechanical Engineering Design HÜ 2			Technical Thermodynamics I	HŪ 1	Management Tutorial GÜ 2	Semiconductor Circuit Design GÜ
,	and Electromagnetic Fields				Technical Thermodynamics I	GÜ 1		
10	Electrical Engineering I: Direct Current Networks GÜ 2 and Electromagnetic Fields		Production Engineering (part 1)					
11			Production Engineering I	VL 2				
12			Production Engineering I	HÜ 1				
13	Mathematics I	Mechanics II: Mechanics of Materials	Computer Engineering		Signals and Systems		Introduction to Control Systems	Bachelor Thesis
14	Linear Algebra I VL 2	Mechanics II VL 2	Computer Engineering	VL 3	Signals and Systems	VL 3	Introduction to Control Systems VL 2	
	Linear Algebra I GÜ 1	Mechanics II GÜ 2	Computer Engineering	GÜ 1	Signals and Systems	GÜ 2	Introduction to Control Systems GÜ 2	
15	Linear Algebra I HÜ 1	Mechanics II HÜ 2						
16	Analysis I VL 2							
17	Analysis I GÜ 1 Analysis I HÜ 1							
18	Analysis I HŪ 1							
19		Mathematics II	Mathematics III		Mathematics IV		Measurement Technology for Mechanical Engineers	
-		Linear Algebra II VL 2	Analysis III	VL 2	Complex Functions	VL 2	Measurement Technology for Mechanical VL 2	
20		Linear Algebra II GÜ 1	Analysis III	GÜ 1	Complex Functions	GÜ 1	Engineering	
21	Mechanics I (Statics)	Linear Algebra II HÜ 1	Analysis III	HÜ 1	Complex Functions	HŪ 1	Measurement Technology for Mechanical HÜ 1	. I
22	Mechanics I VL 2	Analysis II VL 2	Differential Equations 1	VL 2	Differential Equations 2	VL 2	Engineering	
23	Mechanics I GÜ 2 Mechanics I HÜ 1	Analysis II HÜ 1	Differential Equations 1	GÜ 1	Differential Equations 2	GÜ 1	Practical Course: Measurement and Control PR 2 Systems	
24	nu 1	Analysis II GÜ 1	Differential Equations 1	HÜ 1	Differential Equations 2	HÜ 1		
25					Mechanics IV (Oscillations, Analytical Mech	awles	Simulation and Design of Mechatronic Systems	
					Multibody Systems, Numerical Mechanics)	anics,	Simulation and Design of Mechatronic Systems Simulation and Design of Mechatronic Systems VL 2	
26					Mechanics IV	VL 3	Simulation and Design of Mechatronic Systems HÜ 1	
27	Fundamentals of Materials Science (part 1)	Fundamentals of Materials Science (part 2)	Mechanics III (Dynamics)		Mechanics IV	GÜ 2	Simulation and Design of Mechatronic Systems PR 1	
28	Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials Science VL 2	Fundamentals of Materials Science II VL 2	Mechanics III Mechanics III	VL 3 GÜ 2	Mechanics IV	HŪ 1		
29	rnysical and chemical basics of materials science VL 2		Mechanics III Mechanics III	GU 2 HÜ 1				
30				1				
31								
32								

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