## Course of Study Mechatronics (Study Cohort w2 200 Historion Compulsory Corp Caldification Elective Compulsory Specialisation Elective Compulsory Specialisation Elective Compulsory Specialisation Elective Compulsory Interdisciplinary complement

	Electrical Engineering I: Direct Current Networks and	Electrical Engineering II: Alternating Current Networks	Mechanical Engineering: Design (part 1)		Mechanical Engineering: Design (part 2)		Technical Thermodynamics II		Electrical Machines and Actuators	
	Electromagnetic Fields	and Basic Devices	Embodiment Design and 3D-CAD Introduction	VL 2	Team Project Design Methodology	PBL 2	Technical Thermodynamics II	VL 2	Electrical Machines and Actuators	VL 3
	Electrical Engineering I: Direct Current Networks VL 3	Electrical Engineering II: Alternating Current VL 3	and Practical Training		Mechanical Design Project II	PBL 3	Technical Thermodynamics II	HÜ 1	Electrical Machines and Actuators	HÜ 2
	and Electromagnetic Fields  Electrical Engineering I: Direct Current Networks GÜ 2	Networks and Basic Devices  Electrical Engineering II: Alternating Current GÜ 2	Mechanical Design Project I	PBL 3			Technical Thermodynamics II	GÜ 1		
	and Electromagnetic Fields	Networks and Basic Devices	Electrical Engineering III: Circuit Theory and	ı	Technical Thermodynamics I					
			Transients Circuit Theory	VL 3	Technical Thermodynamics I	VL 2 HÜ 1				
			Circuit Theory	GÜ 2	Technical Thermodynamics I Technical Thermodynamics I	GÜ 1				
	Mathematics I	Fundamentals of Mechanical Engineering Design			recinical memodynamics i	00 1	Foundations of Management		Semiconductor Circuit Design	
	Mathematics I VL 4	Fundamentals of Mechanical Engineering Design VL 2					Introduction to Management	VL 3	Semiconductor Circuit Design	VL 3
	Mathematics I HÜ 2	Fundamentals of Mechanical Engineering Design HÜ 2					Management Tutorial	GÜ 2	Semiconductor Circuit Design	GÜ 1
	Mathematics I GÜ 2									
0			Mathematics III		Signals and Systems					
1			Analysis III	VL 2	Signals and Systems	VL 3				
2			Analysis III	GÜ 1	Signals and Systems	GÜ 2				
			Analysis III  Differential Equations 1	HÜ 1 VL 2						
3		Mathematics II  Mathematics II VL 4	Differential Equations 1	GÜ 1			Introduction to Control Systems	VL 2	Bachelor Thesis	
4		Mathematics II VL 4  Mathematics II HÜ 2	Differential Equations 1	HÜ 1			Introduction to Control Systems Introduction to Control Systems	GÜ 2		
5	Fundamentals of Materials Science (part 1)	Mathematics II GÜ 2					indoddedon to control systems	00 2		
6	Fundamentals of Materials Science I VL 2				Production Engineering					
7	Physical and Chemical Basics of Materials Science VL 2				Production Engineering I	VL 2				
					Production Engineering II	VL 2				
8			Engineering Mechanics III (Dynamics) Engineering Mechanics III	VL 3	Production Engineering II	HŪ 1				
9	Computer Science for Engineers - Introduction and		Engineering Mechanics III	GÜ 2	Production Engineering I	HÜ 1	Measurement Technology for Mechanical I			
0	Overview  Computer Science for Engineers - Introduction VL 3		Engineering Mechanics III	HÜ 1			Measurement Technology for Mechanical Engineering	VL 2		
1	and Overview	Computer Science for Engineers - Programming					Measurement Technology for Mechanical	PR 2		
2	Computer Science for Engineers - Introduction GÜ 2	Concepts, Data Handling & Communication			Mathematics IV		Engineering			
	and Overview	Computer Science for Engineers - Programming VL 3			Complex Functions	VL 2	Practical Course: Measurement and Control	PR 2		
3		Concepts, Data Handling & Communication			Complex Functions	GÜ 1	Systems			
4		Computer Science for Engineers - Programming GÜ 2 Concepts, Data Handling & Communication			Complex Functions	HÜ 1				
5	Engineering Mechanics I (Stereostatics)				Differential Equations 2	VL 2	Simulation and Design of Mechatronic Sys	tems		
6	Engineering Mechanics I VL 2				Differential Equations 2	GÜ 1	Simulation and Design of Mechatronic Systems	VL 2		
7	Engineering Mechanics I GÜ 2	Engineering Mechanics II (Elastostatics)			Differential Equations 2	HÜ 1	Simulation and Design of Mechatronic Systems			
	Engineering Mechanics I HŪ 1	Engineering Mechanics II (Elastostatics)  VL 2					Simulation and Design of Mechatronic Systems	PR 1		
8		Engineering Mechanics II GÜ 2			Computational Mechanics					
9		Engineering Mechanics II HÜ 2			Computational Multibody Dynamics Computational Mechanics	IV 2 GÜ 2				
0					Computational Mechanics  Computational Stuctural Mechanics	IV 2				
1										
2										
3		Fundamentals of Materials Science (part 2)								
4		Fundamentals of Materials Science II VL 2								

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