

Course of Study Mechatronics (Study Cohort w23)

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										Core Qualification Elective Compulsory		Specialisation Elective Compulsory		Focus Elective Compulsory		Interdisciplinary complement					
Sample course plan Y Master Mechatronics (IMPMEC)																					
1	Robotics Robotics: Modelling and Control Robotics: Modelling and Control				Applied Design Methodology in Mechatronics Applied Design Methodology in Mechatronics Applied Design Methodology in Mechatronics				Research Project Mechatronics				Master Thesis								
2																	IV	4	VL	2	
3																	PBL	2	PBL	3	
4																					
5																					
6																					
7	Vibration Theory Vibration Theory				Systems Engineering Systems Engineering Systems Engineering																
8																	IV	4	VL	3	
9																			HÜ	1	
10																					
11																					
12																					
13	Finite Elements Methods Finite Element Methods Finite Element Methods								Microsystem Engineering Microsystem Engineering Microsystem Engineering												
14																	VL	2	VL	2	
15																	HÜ	2	PBL	2	
16																					
17																					
18																					
19	Control Systems Theory and Design Control Systems Theory and Design Control Systems Theory and Design								Methods of Product Development Methods of Product Development Methods of Product Development												
20																	VL	2	VL	3	
21																	GÜ	2	PBL	2	
22																					
23																					
24																					
25	Design and Implementation of Software Systems Design and Implementation of Software Systems Design and Implementation of Software Systems								Integrated Circuit Design Integrated Circuit Design Integrated Circuit Design												
26																	VL	2	VL	3	
27																	PBL	2	GÜ	1	
28																					
29																					
30																					
31									Engineering Haptic Systems Haptic Technology for Human-Machine-Interfaces Haptic Technology for Human-Machine-Interfaces												
32																	VL	4			
33																	PBL	2			
34																					
35																					
36																					
Business & Management (from catalogue) - 6LP																					
Non-technical Courses for Master (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.

