

Course of Study Mechatronics (Study Cohort w23)

Course of Study Mechatronics (Study Cohort w23)										Core Qualification Compulsory		Specialisation Compulsory		Focus Compulsory		Thesis Compulsory	
Sample course plan S Master Mechatronics (IMPMEC)										Core Qualification Elective Compulsory		Specialisation Elective Compulsory		Focus Elective Compulsory		Interdisciplinary complement	
1	Robotics Robotics: Modelling and Control Robotics: Modelling and Control IV4 PBL2				Embedded Systems Embedded Systems Embedded Systems Embedded Systems VL3 GÜ1 PBL1				Research Project Mechatronics				Master Thesis				
2																	
3																	
4																	
5																	
6																	
7	Vibration Theory Vibration Theory IV4				Software for Embedded Systems Software for Embedded Systems Software for Embedded Systems VL2 GÜ3												
8																	
9																	
10																	
11																	
12																	
13	Finite Elements Methods Finite Element Methods Finite Element Methods VL2 HÜ2				Autonomous Cyber-Physical Systems Autonomous Cyber-Physical Systems Autonomous Cyber-Physical Systems VL2 GÜ2				Advanced Machine Learning Advanced Machine Learning Advanced Machine Learning VL2 GÜ2								
14																	
15																	
16																	
17																	
18																	
19	Control Systems Theory and Design Control Systems Theory and Design Control Systems Theory and Design VL2 GÜ2								Image Processing Image Processing Image Processing VL2 GÜ2								
20																	
21																	
22																	
23																	
24																	
25	Design and Implementation of Software Systems Design and Implementation of Software Systems Design and Implementation of Software Systems VL2 PBL2								Energy Efficiency in Embedded Systems Energy Efficiency in Embedded Systems Energy Efficiency in Embedded Systems Energy Efficiency in Embedded Systems VL2 HÜ1 PBL2								
26																	
27																	
28																	
29																	
30																	
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.

