

# Course of Study Mechatronics (Study Cohort w20)

Sample course plan A Master Mechatronics (IMPMEC)

Core Qualification Compulsory    Specialisation Compulsory    Focus Compulsory    Thesis Compulsory  
 Core Qualification Elective Compulsory    Specialisation Elective Compulsory    Focus Elective Compulsory    Interdisciplinary complement

Specialisation Intelligent Systems and Robotics			
1	<b>Robotics</b>		<b>Nonlinear Dynamics</b>
2	Robotics: Modelling and Control	VL 3	Nonlinear Dynamics
3	Robotics: Modelling and Control	HÜ 2	
4			
5			
6			
7	<b>Vibration Theory</b>		<b>Embedded Systems</b>
8	Vibration Theory	IV 4	Embedded Systems
9			Embedded Systems
10			
11			
12			
13	<b>Finite Elements Methods</b>		<b>Optimal and Robust Control</b>
14	Finite Element Methods	VL 2	Optimal and Robust Control
15	Finite Element Methods	HÜ 2	Optimal and Robust Control
16			
17			
18			
19	<b>Control Systems Theory and Design</b>		<b>Mathematical Image Processing</b>
20	Control Systems Theory and Design	VL 2	Mathematical Image Processing
21	Control Systems Theory and Design	GÜ 2	Mathematical Image Processing
22			
23			
24			
25	<b>Design and Implementation of Software Systems</b>		
26	Design and Implementation of Software Systems	VL 2	
27	Design and Implementation of Software Systems	PR 2	
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.

