

Course of Study Mechatronics (Study Cohort w23)

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

Sample course plan Y Master Mechatronics (IMPMEC) Dual study program

1	Robotics			Practical module 2 (dual study program, Master's degree)	Research Project Mechatronics	Master thesis (dual study program)
2	Robotics: Modelling and Control	IV	4	Practical term 2		
3	Robotics: Modelling and Control	PBL	2			
4						
5						
6						
7	Vibration Theory					
8	Vibration Theory	IV	4			
9						
10						
11				Applied Design Methodology in Mechatronics		
12				Applied Design Methodology in Mechatronics	VL 2	
13	Finite Elements Methods			Applied Design Methodology in Mechatronics	PBL 3	
14	Finite Element Methods	VL	2		Practical module 3 (dual study program, Master's degree)	
15	Finite Element Methods	HÜ	2		Practical term 3	0
16						
17				Systems Engineering		
18				Systems Engineering	VL 3	
19	Control Systems Theory and Design			Systems Engineering	HÜ 1	
20	Control Systems Theory and Design	VL	2			
21	Control Systems Theory and Design	GÜ	2			
22						
23						
24					Microsystem Engineering	
25	Design and Implementation of Software Systems				Microsystem Engineering	VL 2
26	Design and Implementation of Software Systems	VL	2		Microsystem Engineering	PBL 2
27	Design and Implementation of Software Systems	PBL	2			
28						
29					Methods of Product Development	
30					Methods of Product Development	VL 3
31	Practical module 1 (dual study program, Master's degree)				Methods of Product Development	PBL 2
32	Practical term 1		0			
33						
34						
35					Integrated Circuit Design	
36					Integrated Circuit Design	VL 3
37					Integrated Circuit Design	GÜ 1
38						
39						
40						
Business & Management (from catalogue) - 6LP						
Linking theory and practice (dual study program, Master's degree) (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.

