

Course of Study Microelectronics and Microsystems (Study Cohort w20)

Sample course plan N Master Microelectronics and Microsystems (IMPMM)
Specialisation Microelectronics Complements

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

LP	Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk
1	Microsystem Engineering		Microsystem Design		Project Work IMPMM		Master Thesis	
2	Microsystem Engineering	VL 2	Microsystem Design	VL 2				
3	Microsystem Engineering	PBL 2	Microsystem Design	PR 3				
4								
5								
6								
7	Microsystems Technology in Theory and Practice		Semiconductor Technology					
8	Microsystems Technology	VL 2	Semiconductor Technology	VL 4				
9	Microsystems Technology	PBL 2	Semiconductor Technology	PR 2				
10								
11								
12								
13	Integrated Circuit Design		Advanced IC Design					
14	Integrated Circuit Design	VL 3	Advanced IC Design	VL 2				
15	Integrated Circuit Design	UE 1	Advanced IC Design	PBL 2				
16								
17								
18					Seminar for IMPMM			
19					Seminar for IMPMM	SE 2		
20	Digital Circuit Design (part 1)		Digital Circuit Design (part 2)		Mixed-signal Circuit Design			
21	Digital Circuit Design	VL 2	Advanced Digital Circuit Design	VL 2	Mixed-signal Circuit Design	VL 2		
22					Mixed-signal Circuit Design	PBL 2		
23								
24								
25								
26					Laboratory: Analog Circuit Design			
27					Laboratory: Analog Circuit Design	PBL 2		
28								
29								
30								
Business & Management (from catalogue) - 6LP								
Non-technical Courses for Master (from catalogue) - 6LP								
Technical Elective Complementary Course for IMPMM - field ET (according to Subject Specific Regulations) - 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.

