

Course of Study Microelectronics and Microsystems (Study Cohort w14)

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

Legend:

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		Design of Highly Complex Integrated Systems and CAD Tools (part 2)		
2	Microsystem Engineering	VL 2	Microsystem Design	VL 2				Design of Highly Complex Integrated Systems	VL 2
3	Microsystem Engineering	UE 1	Microsystem Design	PR 3					
4	Microsystem Engineering	PBL 1							
5									
6									
7	Microsystems Technology in Theory and Practice		Fundamentals of IC Design					Master Thesis	
8	Microsystems Technology	VL 2	Fundamentals of IC Design	VL 2					
9	Microsystems Technology	PBL 2	Fundamentals of IC Design	PR 2					
10									
11									
12									
13	CMOS Nanoelectronics with Practice		Laboratory: Analog and Digital Circuit Design (part 1)						
14	CMOS Nanoelectronics	VL 2	Laboratory: Digital Circuit Design	PR 2					
15	CMOS Nanoelectronics	UE 1							
16	CMOS Nanoelectronics	PR 2	Semiconductor Seminar						
17			Semiconductor Seminar	SE 2					
18					Laboratory: Analog and Digital Circuit Design (part 2)				
19					Laboratory: Analog Circuit Design	PR 2			
20	Electronic Devices and Circuits								
21	Circuit Design	VL 2			Digital Signal Processing and Digital Filters				
22	Electronic Devices	VL 2			Digital Signal Processing and Digital Filters	VL 3			
23					Digital Signal Processing and Digital Filters	HÜ 1			
24									
25	Electronic Circuits for Medical Applications								
26	Electronic Circuits for Medical Applications	VL 2			Design of Highly Complex Integrated Systems and CAD Tools (part 1)				
27	Electronic Circuits for Medical Applications	UE 1			CAD Tools	VL 2			
28	Electronic Circuits for Medical Applications	PR 1							
29									
30									
31									
32									
33									
Business & Management (from catalogue) - 6LP									
Nontechnical Elective Complementary 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.

