

# Course of Study Microelectronics and Microsystems (Study Cohort w20)

Sample course plan L Master Microelectronics and Microsystems (IMPMM)  
Specialisation Communication and Signal Processing

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	<b>Digital Communications</b>		<b>Microsystem Design</b>		<b>Project Work IMPMM</b>		<b>Master Thesis</b>	
2	Digital Communications	VL 2	Microsystem Design	VL 2				
3	Digital Communications	HÜ 2	Microsystem Design	PR 3				
4	Laboratory Digital Communications	PR 1						
5								
6								
7	<b>Microsystems Technology in Theory and Practice</b>		<b>Semiconductor Technology</b>					
8	Microsystems Technology	VL 2	Semiconductor Technology	VL 4				
9	Microsystems Technology	PBL 2		PR 2				
10								
11								
12								
13	<b>Integrated Circuit Design</b>		<b>Advanced IC Design</b>					
14	Integrated Circuit Design	VL 3	Advanced IC Design	VL 2				
15	Integrated Circuit Design	UE 1	Advanced IC Design	PBL 2				
16								
17						<b>Seminar for IMPMM</b>		
18						Seminar for IMPMM		SE 2
19	<b>Communication Networks</b>		<b>Advanced Concepts of Wireless Communications</b>		<b>Digital Signal Processing and Digital Filters</b>			
20	Communication Networks	VL 2	Advanced Concepts of Wireless Communications	VL 3	Digital Signal Processing and Digital Filters	VL 3		
21	Communication Networks Exercise	PBL 1	Advanced Concepts of Wireless Communications	HÜ 2	Digital Signal Processing and Digital Filters	HÜ 2		
22	Selected Topics of Communication Networks	PBL 2	Advanced Concepts of Wireless Communications					
23								
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Business & Management (from catalogue) - 6LP								
Non-technical Courses for Master (from catalogue) - 6LP								
Technical Elective Complementary Course for IMPMM - field TUHH (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.

