

# Course of Study Microelectronics and Microsystems (Study Cohort w16)

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

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	<b>Microsystem Engineering</b>		<b>Microsystem Design</b>		<b>Project Work IMPMM</b>		<b>Master Thesis</b>	
2	Microsystem Engineering	VL 2	Microsystem Design	VL 2				
3	Microsystem Engineering	UE 1	Microsystem Design	PR 3				
4	Microsystem Engineering	PBL 1						
5								
6								
7	<b>Microsystems Technology in Theory and Practice</b>		<b>Fundamentals of IC Design</b>					
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	<b>CMOS Nanoelectronics with Practice</b>		<b>Laboratory: Analog and Digital Circuit Design (part 1)</b>					
14	CMOS Nanoelectronics	VL 2	Laboratory: Digital Circuit Design	PR 2				
15	CMOS Nanoelectronics	UE 1						
16	CMOS Nanoelectronics	PR 2	<b>Semiconductor Seminar</b>					
17			Semiconductor Seminar	SE 2	<b>Laboratory: Analog and Digital Circuit Design (part 2)</b>			
18					Laboratory: Analog Circuit Design	PR 2		
19	<b>Electronic Devices and Circuits</b>							
20	Circuit Design	VL 2			<b>Digital Image Analysis</b>			
21	Electronic Devices	VL 2			Digital Image Analysis	VL 4		
22								
23								
24								
25	<b>Microwave Engineering</b>				<b>3D Computer Vision</b>			
26	Microwave Engineering	VL 2			3D Computer Vision	VL 2		
27	Microwave Engineering	HÜ 2			3D Computer Vision	UE 2		
28	Microwave Engineering	PR 1						
29								
30								
31								
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.

