

# 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	Specialisation Elective	Focus Elective Compulsory	Interdisciplinary complement
Compulsory	Compulsory		

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	POL	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	POL	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						
18							<b>Laboratory: Analog and Digital Circuit Design (part 2)</b>					
19	<b>Electronic Devices and Circuits</b>						Laboratory: Analog Circuit Design	PR	2			
20	Circuit Design	VL	2									
21	Electronic Devices	VL	2				<b>Digital Image Analysis</b>					
22							Digital Image Analysis	VL	4			
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.