

# Course of Study Microelectronics and Microsystems (Study Cohort w14)

Sample course plan C 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						
17								
18					<b>Seminar Communications Engineering</b>			
					Seminar Communications Engineering	SE 2		
19	<b>Electronic Devices and Circuits</b>				<b>Laboratory: Analog and Digital Circuit Design (part 2)</b>			
20	Circuit Design	VL 2			Laboratory: Analog Circuit Design	PR 2		
21	Electronic Devices	VL 2						
22								
23					<b>Digital Image Analysis</b>			
24					Digital Image Analysis	VL 4		
25	<b>Communication Networks I - Analysis and Structure</b>							
26	Analysis and Structure of Communication Networks	VL 2						
27	Communication Networks Exercise	PBL 1						
28	Selected Topics of Communication Networks	PBL 2			<b>3D Computer Vision</b>			
29					3D Computer Vision	VL 2		
30					3D Computer Vision	UE 2		
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.

