

# Course of Study Electrical Engineering (Study Cohort w21)

Sample course plan D Master Electrical Engineering (ETMS)

Specialisation Nanoelectronics and Microsystems Technology

Core qualification Compulsory    Specialisation Compulsory    Focus Compulsory    Thesis Compulsory  
 Core qualification Elective Compulsory    Specialisation Elective Compulsory    Focus Elective Compulsory    Interdisciplinary complement

	Semester 2				Semester 3				Semester 4				
		Form	Hrs/wk			Form	Hrs/wk			Form	Hrs/wk		
1	<b>Digital Communications</b>			<b>Microsystem Design</b>				<b>Research Project and Seminar in Nanoelectronics and Microsystems Technology</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>Microwave Engineering</b>			<b>Semiconductor Technology</b>									
8	Microwave Engineering	VL	2	Semiconductor Technology	VL	4							
9	Microwave Engineering	HÜ	2	Semiconductor Technology	PR	2							
10	Microwave Engineering	PR	1										
11													
12													
13	<b>Microsystem Engineering</b>			<b>Advanced IC Design</b>				<b>Microsystems Technology in Theory and Practice</b>					
14	Microsystem Engineering	VL	2	Advanced IC Design	VL	2	Microsystems Technology	VL	2				
15	Microsystem Engineering	PBL	2	Advanced IC Design	PBL	2	Microsystems Technology	PBL	2				
16													
17													
18													
19	<b>Control Systems Theory and Design</b>												
20	Control Systems Theory and Design	VL	2										
21	Control Systems Theory and Design	GÜ	2										
22													
23													
24													
25	<b>Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids</b>												
26	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	VL	3										
27	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	HÜ	2										
28	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids												
29													
30													
Business & Management (from catalogue) - 6LP													
Non-technical Courses for Master (from catalogue) - 6LP													
Technical Complementary Course for ETMS (according to Subject Specific Regulations) - 12LP													

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

