

Course of Study Electrical Engineering (Study Cohort w18)

Sample course plan D Master Electrical Engineering (ETMS)
Specialisation Nanoelectronics and Microsystems Technology

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	Digital Communications			Microsystem Design			Research Project in Nanoelectronics and Microsystems Technology			Master Thesis		
2	Digital Communications	VL	2	Microsystem Design	VL	2						
3	Digital Communications	HÜ	1	Microsystem Design	PR	3						
4	Laboratory Digital Communications	PR	1									
5												
6												
7	Microwave Engineering			Semiconductor Technology			Microsystems Technology in Theory and Practice					
8	Microwave Engineering	VL	2	Semiconductor Technology	VL	4	Microsystems Technology	VL	2			
9	Microwave Engineering	HÜ	2	Semiconductor Technology	PR	2	Microsystems Technology	PBL	2			
10	Microwave Engineering	PR	1									
11												
12												
13	Microsystem Engineering			Fundamentals of IC Design			EMC II: Signal Integrity and Power Supply of Electronic Systems					
14	Microsystem Engineering	VL	2	Fundamentals of IC Design	VL	2	EMC II: Signal Integrity and Power Supply of Electronic Systems	VL	3			
15	Microsystem Engineering	PBL	2	Fundamentals of IC Design	PR	2	EMC II: Signal Integrity and Power Supply of Electronic Systems	UE	1			
16							EMC II: Signal Integrity and Power Supply of Electronic Systems	PR	1			
17												
18												
19	Control Systems Theory and Design											
20	Control Systems Theory and Design	VL	2									
21	Control Systems Theory and Design	UE	2									
22												
23												
24												
25	Electrical Power Systems II											
26	Electrical Power Systems II	VL	2									
27	Electrical Power Systems II	HÜ	2									
28												
29												
30												
Business & Management (from catalogue) - 6LP												
Nontechnical Elective Complementary 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.