Course of Study Electrical Engineering (Study Cohort w22)

Sample course plan D Master Electrical Engineering (ETMS) Dual study program
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						
1	**Digital Communications**			**Practical module 2 (dual study program, Master's degree)**	**Practical module 3 (dual study program, Master's degree)**	**Master thesis (dual study program)**
2	Digital Communications	VL	2	Practical term 2 0	Practical term 3 0	
3	Digital Communications	HÜ	2			
4	Laboratory Digital Communications	PR	1			
5						
6						
7	**Microwave Engineering**					
8	Microwave Engineering	VL	2			
9	Microwave Engineering	HÜ	2			
10	Microwave Engineering	PR	1			
11				**Microsystem Design**	**Research Project and Seminar in Nanoelectronics and Microsystems Technology**	
12				Microsystem Design VL 2		
13	**Microsystem Engineering**			Microsystem Design PR 3		
14	Microsystem Engineering	VL	2			
15	Microsystem Engineering	PBL	2			
16						
17				**Semiconductor Technology**		
18				Semiconductor Technology VL 4		
19	**Control Systems Theory and Design**			Semiconductor Technology PR 2		
20	Control Systems Theory and Design	VL	2			
21	Control Systems Theory and Design	GÜ	2			
22						
23				**Advanced IC Design**	**Microsystems Technology in Theory and Practice**	
24				Advanced IC Design VL 2	Microsystems Technology VL 2	
25	**Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids**			Advanced IC Design PBL 2	Microsystems Technology PBL 2	
26						
27	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	VL	3			
28	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	HÜ	2			
29						
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31	**Practical module 1 (dual study program, Master's degree)**					
32	Practical term 1 0					
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Business & Management (from catalogue) - 6LP

Linking theory and practice (dual study program, Master's degree) (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.