

Course of Study Electrical Engineering (Study Cohort w22)

Sample course plan A Master Electrical Engineering (ETMS) Dual study program

Specialisation Microwave Engineering, Optics, and Electromagnetic Compatibility

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

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	Practical term 3	
3	Digital Communications	HÜ	2			
4	Laboratory Digital Communications	PR	1			
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7	Microwave Engineering					
8	Microwave Engineering	VL	2			
9	Microwave Engineering	HÜ	2			
10	Microwave Engineering	PR	1			
11						
12				Microwave Semiconductor Devices and Circuits I	Research Project and Seminar in Microwave Engineering, Optics and Electromagnetic Compatibility	
13	Microsystem Engineering			Microwave Semiconductor Devices and Circuits I		
14	Microsystem Engineering	VL	2	Microwave Semiconductor Devices and Circuits I		
15	Microsystem Engineering	PBL	2			
16						
17				EMC I: Coupling Mechanisms, Countermeasures and Test Procedures		
18				EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures		
19	Control Systems Theory and Design			EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures		
20	Control Systems Theory and Design	VL	2	EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures		
21	Control Systems Theory and Design	GÜ	2	EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures		
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24					Bioelectromagnetics: Principles and Applications	
25	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids				Bioelectromagnetics: Principles and Applications	
26	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	VL	3		Bioelectromagnetics: Principles and Applications	
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					Microwave Semiconductor Devices and Circuits II	
31	Practical module 1 (dual study program, Master's degree)				Microwave Semiconductor Devices and Circuits II	
32	Practical term 1		0		Microwave Semiconductor Devices and Circuits II	
33					Microwave Circuit Design Laboratory	
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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.

