

Course of Study Electrical Engineering (Study Cohort w21)

Sample course plan A Master Electrical Engineering (ETMS)

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					
Specialisation Microwave Engineering, Optics, and Electromagnetic Compatibility				Form	Hrs/wk	Semester 3				Form	Hrs/wk	Semester 4		Form	Hrs/wk
1	Digital Communications					Research Project and Seminar in Microwave Engineering, Optics and Electromagnetic Compatibility				Master Thesis					
2	Digital Communications	VL	2	Microwave Semiconductor Devices and Circuits I	VL	3									
3	Digital Communications	HÜ	2	Microwave Semiconductor Devices and Circuits I	HÜ	2									
4	Laboratory Digital Communications	PR	1												
5															
6															
7	Microwave Engineering			EMC I: Coupling Mechanisms, Countermeasures and Test Procedures											
8	Microwave Engineering	VL	2	EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures	VL	3									
9	Microwave Engineering	HÜ	2	EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures	GÜ	1									
10	Microwave Engineering	PR	1	EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures	PR	1									
11															
12															
13	Microsystem Engineering			Bioelectromagnetics: Principles and Applications											
14	Microsystem Engineering	VL	2	Bioelectromagnetics: Principles and Applications	VL	3									
15	Microsystem Engineering	PBL	2	Bioelectromagnetics: Principles and Applications	GÜ	2									
16															
17															
18															
19	Control Systems Theory and Design			Microwave Semiconductor Devices and Circuits II											
20	Control Systems Theory and Design	VL	2	Microwave Semiconductor Devices and Circuits II	VL	1									
21	Control Systems Theory and Design	GÜ	2	Microwave Semiconductor Devices and Circuits II	HÜ	1									
22															
23															
24															
25	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids														
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.

