

Course of Study Electrical Engineering (Study Cohort w19)

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

LP	Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk						
1	Digital Communications	VL 2	Bioelectromagnetics: Principles and Applications	VL 3	Research Project and Seminar in Microwave Engineering, Optics and Electromagnetic Compatibility		Master Thesis							
2														
3									Digital Communications	HÜ 1	Bioelectromagnetics: Principles and Applications	UE 2		
4									Digital Communications	HÜ 1	Bioelectromagnetics: Principles and Applications	UE 2		
5									Laboratory Digital Communications	PR 1	Bioelectromagnetics: Principles and Applications	UE 2		
6														
7	Microwave Engineering	VL 2	Microwave Semiconductor Devices and Circuits I	VL 3										
8									Microwave Engineering	HÜ 2	Microwave Semiconductor Devices and Circuits I	HÜ 2		
9									Microwave Engineering	HÜ 2	Microwave Semiconductor Devices and Circuits I	HÜ 2		
10									Microwave Engineering	PR 1	Microwave Semiconductor Devices and Circuits I	HÜ 2		
11														
12														
13	Microsystem Engineering	VL 2	EMC I: Coupling Mechanisms, Countermeasures and Test Procedures	VL 3	Microwave Semiconductor Devices and Circuits II	VL 1								
14									Microsystem Engineering	PBL 2	EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures	UE 1	Microwave Semiconductor Devices and Circuits II	HÜ 1
15									Microsystem Engineering	PBL 2	EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures	UE 1	Microwave Semiconductor Devices and Circuits II	HÜ 1
16											EMC I: Coupling Mechanisms, Countermeasures, and Test Procedures	PR 1	Microwave Circuit Design Laboratory	PR 4
17														
18														
19	Control Systems Theory and Design	VL 2												
20					Control Systems Theory and Design	UE 2								
21					Control Systems Theory and Design	UE 2								
22														
23														
24														
25	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	VL 2												
26					Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	HÜ 2								
27					Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	HÜ 2								
28														
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.

