

Course of Study Electrical Engineering (Study Cohort w18)

Sample course plan A Master Electrical Engineering (ETMS)
Specialisation Microwave Engineering, Optics, and Electromagnetic Compatibility

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		Microwave Semiconductor Devices and Circuits I		Research Project 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 1						
4	Laboratory Digital Communications	PR 1	Microwave Semiconductor Devices and Circuits I	HÜ 2				
5								
6								
7	Microwave Engineering		Introduction to Antenna Theory		Optoelectronics II - Quantum Optics			
8	Microwave Engineering	VL 2	Introduction To Antenna Theory	VL 2	Optoelectronics II: Quantum Optics	VL 2		
9	Microwave Engineering	HÜ 2	Introduction To Antenna Theory	HÜ 1	Optoelectronics II: Quantum Optics	UE 1		
10	Microwave Engineering	PR 1	Introduction To Antenna Theory	PR 1				
11					Seminar on Electromagnetic Compatibility and Electrical Power Systems			
12					Seminar on Electromagnetic Compatibility and Electrical Power Systems	SE 2		
13	Microsystem Engineering		Electromagnetic Waves		Microwave Semiconductor Devices and Circuits II			
14	Microsystem Engineering	VL 2	Electromagnetic Waves	VL 2	Microwave Semiconductor Devices and Circuits II	VL 1		
15	Microsystem Engineering	PBL 2	Electromagnetic Waves	HÜ 1	Microwave Semiconductor Devices and Circuits II	HÜ 1		
16			Electromagnetic Waves	PR 1	Microwave Circuit Design Laboratory	PR 4		
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.