

Course of Study Electrical Engineering (Study Cohort w18)

Sample course plan E Master Electrical Engineering (ETMS)
Specialisation Control and Power Systems

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		Numerical Treatment of Ordinary Differential Equations		Research Project in Control and Power Systems		Master Thesis	
2	Digital Communications	VL 2	Numerical Treatment of Ordinary Differential Equations	VL 2	Industrial Process Automation	VL 2		
3	Digital Communications	HÜ 1						
4	Laboratory Digital Communications	PR 1						
5			Numerical Treatment of Ordinary Differential Equations	UE 2				
6								
7	Microwave Engineering		Optimal and Robust Control		Industrial Process Automation			
8	Microwave Engineering	VL 2	Optimal and Robust Control	VL 2	Industrial Process Automation	VL 2		
9	Microwave Engineering	HÜ 2	Optimal and Robust Control	UE 2	Industrial Process Automation	UE 2		
10	Microwave Engineering	PR 1						
11								
12								
13	Microsystem Engineering		Electrical Power Systems III		Seminar on Electromagnetic Compatibility and Electrical Power Systems			
14	Microsystem Engineering	VL 2	Electrical Power Systems III	VL 2	Seminar on Electromagnetic Compatibility and Electrical Power Systems	SE 2		
15	Microsystem Engineering	PBL 2	Electrical Power Systems III	HÜ 1				
16					Advanced Topics in Control			
17					Advanced Topics in Control	VL 2		
18					Advanced Topics in Control	UE 2		
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.