

Course of Study Electrical Engineering (Study Cohort w18)

Sample course plan F Master Electrical Engineering (ETMS)
Specialisation Modeling and Simulation

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		High-Performance Computing		Research Project in Modeling and Simulation		Master Thesis	
2	Digital Communications	VL 2	Fundamentals of High-Performance Computing	VL 2				
3	Digital Communications	HÜ 1	Computing					
4	Laboratory Digital Communications	PR 1	Fundamentals of High-Performance Computing	PBL 2				
5								
6								
7	Microwave Engineering		Approximation and Stability		Hierarchical Algorithms			
8	Microwave Engineering	VL 2	Approximation and Stability	VL 3	Hierarchical Algorithms	VL 2		
9	Microwave Engineering	HÜ 2	Approximation and Stability	UE 1	Hierarchical Algorithms	UE 2		
10	Microwave Engineering	PR 1						
11								
12								
13	Microsystem Engineering		Numerical Treatment of Ordinary Differential Equations					
14	Microsystem Engineering	VL 2	Numerical Treatment of Ordinary Differential Equations	VL 2				
15	Microsystem Engineering	PBL 2	Numerical Treatment of Ordinary Differential Equations	UE 2				
16								
17								
18								
19	Control Systems Theory and Design		Solvers for Sparse Linear Systems					
20	Control Systems Theory and Design	VL 2	Solvers for Sparse Linear Systems	VL 2				
21	Control Systems Theory and Design	UE 2	Solvers for Sparse Linear Systems	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.