

Course of Study Electrical Engineering (Study Cohort w18)

Sample course plan B Master Electrical Engineering (ETMS)
Specialisation Medical Technology

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		Bioelectromagnetics: Principles and Applications		Reserach Project in Medical Technology		Master Thesis	
2	Digital Communications	VL 2	Bioelectromagnetics: Principles and Applications	VL 3				
3	Digital Communications	HÜ 1						
4	Laboratory Digital Communications	PR 1	Bioelectromagnetics: Principles and Applications	UE 2				
5								
6								
7	Microwave Engineering		Robotics and Navigation in Medicine		Digital Image Analysis			
8	Microwave Engineering	VL 2	Robotics and Navigation in Medicine	VL 2	Digital Image Analysis	VL 4		
9	Microwave Engineering	HÜ 2	Robotics and Navigation in Medicine	UE 1				
10	Microwave Engineering	PR 1	Robotics and Navigation in Medicine	PS 2				
11								
12								
13	Microsystem Engineering				Intelligent Systems in Medicine			
14	Microsystem Engineering	VL 2			Intelligent Systems in Medicine	VL 2		
15	Microsystem Engineering	PBL 2			Intelligent Systems in Medicine	UE 1		
16					Intelligent Systems in Medicine	PS 2		
17								
18								
19	Control Systems Theory and Design				Numerical Methods for Medical Imaging			
20	Control Systems Theory and Design	VL 2			Numerical Methods for Medical Imaging	VL 2		
21	Control Systems Theory and Design	UE 2			Numerical Methods for Medical Imaging	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.