

Course of Study Electrical Engineering (Study Cohort w16)

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			Digital Image Analysis			Master Thesis				
2		Digital Communications	VL		2	Bioelectromagnetics: Principles and Applications		VL	3		Digital Image Analysis	VL	4	
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			Intelligent Systems in Medicine							
8		Microwave Engineering	VL		2	Robotics and Navigation in Medicine		VL	2		Intelligent Systems in Medicine	VL	2	
9		Microwave Engineering	HÜ		2	Robotics and Navigation in Medicine		UE	1		Intelligent Systems in Medicine	UE	1	
10		Microwave Engineering	PR		1	Robotics and Navigation in Medicine		PS	2		Intelligent Systems in Medicine	PS	2	
11														
12														
13	Microsystem Engineering						Reserach Project in Medical Technology							
14		Microsystem Engineering	VL		2									
15		Microsystem Engineering	UE		1									
16		Microsystem Engineering	PBL		1									
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	CMOS Nanoelectronics with Practice													
26		CMOS Nanoelectronics	VL		2									
27		CMOS Nanoelectronics	UE		1									
28		CMOS Nanoelectronics	PR		2									
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.

