

Course of Study Biomedical Engineering (Study Cohort w20)

Sample course plan R Master Biomedical Engineering (MEDMS)

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Specialisation Medical Technology and Control Theory			
1	Applied Statistics		Medical Imaging Systems
2	Applied Statistics	VL 2	Medical Imaging Systems
3	Applied Statistics	GÜ 1	
4	Applied Statistics	PBL 2	
5			
6			
7	Control Systems Theory and Design		Practical Course Product Development, Materials and Production
8	Control Systems Theory and Design	VL 2	Practical Course Product Development, Materials and Production
9	Control Systems Theory and Design	GÜ 2	
10			
11			
12			
13	Electronic Circuits for Medical Applications		Medical Basics and Pathology (part 1)
14	Electronic Circuits for Medical Applications	VL 2	Medical Basics and Pathology I
15	Electronic Circuits for Medical Applications	GÜ 1	
16	Electronic Circuits for Medical Applications	PR 1	Case Studie and Clinical Internship
17			Clinical Internship
18			Casestudies Surgery and Internal Medicine
19	Intelligent Autonomous Agents and Cognitive Robotics		
20	Intelligent Autonomous Agents and Cognitive Robotics	VL 2	
21	Intelligent Autonomous Agents and Cognitive Robotics	GÜ 2	
22			Linear and Nonlinear System Identifikation
23			Linear and Nonlinear System Identification
24			
25	Microsystems Technology in Theory and Practice		Feedback Control in Medical Technology
26	Microsystems Technology	VL 2	Feedback Control in Medical Technology
27	Microsystems Technology	PBL 2	
28			Robotics and Navigation in Medicine
29			Robotics and Navigation in Medicine
30			Robotics and Navigation in Medicine
31			
32			
Business & Management (from catalogue) - 6LP			
Non-technical Courses for Master (from catalogue) - 6LP			

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

