

# Course of Study Biomedical Engineering (Study Cohort w20)

Sample course plan T 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 Artificial Organs and Regenerative Medicine

1	<b>Applied Statistics</b>			<b>Medical Imaging Systems</b>		<b>Medical Basics and Pathology (part 2)</b>	<b>Master Thesis</b>	
2	Applied Statistics	VL	2	Medical Imaging Systems	VL 4	Medical Basics and Pathology II		VL 2
3	Applied Statistics	GÜ	1			Medical Basics and Pathology III		VL 2
4	Applied Statistics	PBL	2					
5						<b>Study work</b>		
6								
7	<b>Regenerative Medicine</b>			<b>Practical Course Product Development, Materials and Production</b>				
8	Regenerative Medicine	SE	2	Practical Course Product Development, Materials and Production	PR 6			
9	Lecture Tissue Engineering - Regenerative Medicine	SE	2					
10								
11								
12								
13	<b>Microsystem Engineering</b>			<b>Medical Basics and Pathology (part 1)</b>				
14	Microsystem Engineering	VL	2	Medical Basics and Pathology I	VL 2			
15	Microsystem Engineering	PBL	2					
16				<b>Case Studie and Clinical Internship</b>				
17				Clinical Internship	PR 1			
18				Casestudies Surgery and Internal Medicine	SE 5			
19	<b>Finite Elements Methods</b>			<b>Bioprocess Engineering - Fundamentals</b>				
20	Finite Element Methods	VL	2	Bioprocess Engineering - Fundamentals	VL 2			
21	Finite Element Methods	HÜ	2	Bioprocess Engineering- Fundamentals	HÜ 2			
22				Bioprocess Engineering - Fundamental Practical Course	PR 2			
23								
24								
25	<b>Electronic Circuits for Medical Applications</b>			<b>Case Studies for Regenerative Medicine and Tissue Engineering</b>				
26	Electronic Circuits for Medical Applications	VL	2	Case Studies for Regenerative Medicine and Tissue Engineering	SE 3			
27	Electronic Circuits for Medical Applications	GÜ	1					
28	Electronic Circuits for Medical Applications	PR	1					
29								
30								
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.

