

# Course of Study Biomedical Engineering (Study Cohort w21)

Sample course plan A Master Biomedical Engineering (MEDMS)

Specialisation Management and Business Administration

		Semester 2		Semester 3		Semester 4			
		Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk		
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			
3	Applied Statistics	GÜ	1						
4	Applied Statistics	PBL	2						
5									
6									
7	<b>Technology Management</b>			<b>Practical Course Product Development, Materials and Production</b>					
8	Technology Management	VL	3	Practical Course Product Development, Materials and Production	PR	6			
9	Technology Management Seminar	PBL	2						
10									
11									
12									
13	<b>Production Planning &amp; Control and Digital Enterprise</b>			<b>Medical Basics and Pathology (part 1)</b>					
14	Production Planning and Control	VL	2	Medical Basics and Pathology I	VL	2			
15	Production Planning and Control	GÜ	1						
16	The Digital Enterprise	VL	2	<b>Case Study and Clinical Internship</b>					
17	Exercise: The Digital Enterprise	GÜ	1	Clinical Internship	PR	1			
18				Casestudies Surgery and Internal Medicine	SE	5			
19	<b>Intelligent Systems in Medicine</b>					<b>Advanced Topics in Control</b>			
20	Intelligent Systems in Medicine	VL	2			Advanced Topics in Control		VL	2
21	Intelligent Systems in Medicine	GÜ	1			Advanced Topics in Control		GÜ	2
22	Intelligent Systems in Medicine	PS	2	<b>Marketing (Sales and Services / Innovation Marketing)</b>					
23				PBL Marketing of Innovations	PBL	1			
24				Marketing of Innovations	VL	4			
25	<b>BIO II: Biomaterials</b>								
26	Biomaterials	VL	2						
27				<b>BIO II: Artificial Joint Replacement</b>					
28				Artificial Joint Replacement	VL	2			
29									
30									
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.

