

# Course of Study Biomedical Engineering (Study Cohort w22)

Sample course plan A Master Biomedical Engineering (MEDMS) Dual study program

Specialisation Management and Business Administration																				
1	<b>Applied Statistics</b> Applied Statistics VL 2 Applied Statistics GÜ 1 Applied Statistics PBL 2					<b>Medical Imaging Systems</b> Medical Imaging Systems VL 4					<b>Medical Basics and Pathology (part 2)</b> Medical Basics and Pathology II VL 2 Medical Basics and Pathology III VL 2					<b>Master thesis (dual study program)</b>				
2																				
3																				
4																				
5																				
6																				
7	<b>Practical module 1 (dual study program, Master's degree)</b> Practical term 1 0					<b>Practical Course Product Development, Materials and Production</b> Practical Course Product Development, Materials and Production PR 6					<b>Study work</b>									
8																				
9																				
10																				
11																				
12																				
13						<b>Medical Basics and Pathology (part 1)</b> Medical Basics and Pathology I VL 2														
14																				
15																				
16																				
17	<b>Technology Management</b> Technology Management VL 3 Technology Management Seminar PBL 2					<b>Case Studie and Clinical Internship</b> Clinical Internship PR 1 Casestudies Surgery and Internal Medicine SE 5														
18																				
19																				
20																				
21																				
22																				
23	<b>Practical module 2 (dual study program, Master's degree)</b> Practical term 2 0					<b>Practical module 3 (dual study program, Master's degree)</b> Practical term 3 0														
24																				
25																				
26																				
27	<b>Production Planning &amp; Control and Digital Enterprise</b> Production Planning and Control VL 2 Production Planning and Control GÜ 1 The Digital Enterprise VL 2 Exercise: The Digital Enterprise GÜ 1					<b>Advanced Topics in Control</b> Advanced Topics in Control VL 2 Advanced Topics in Control GÜ 2														
28																				
29																				
30																				
31	<b>Intelligent Systems in Medicine</b> Intelligent Systems in Medicine VL 2 Intelligent Systems in Medicine GÜ 1 Intelligent Systems in Medicine PS 2					<b>Marketing (Sales and Services / Innovation Marketing)</b> PBL Marketing of Innovations PBL 1 Marketing of Innovations VL 4														
32																				
33																				
34																				
35	<b>BIO II: Biomaterials</b> Biomaterials VL 2					<b>BIO II: Artificial Joint Replacement</b> Artificial Joint Replacement VL 2														
36																				
37																				
38																				
39																				
Business & Management (from catalogue) - 6LP																				
Linking theory and practice (dual study program, Master's degree) (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.

