

# Course of Study Biomedical Engineering (Study Cohort w18)

Sample course plan A Master Biomedical Engineering (MEDMS)  
Specialisation Management and Business Administration

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	<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	UE 1			Medical Basics and Pathology III	VL 2		
4	Applied Statistics	PBL 2			<b>Study work</b>			
5								
6								
7	<b>Technology Management</b>		<b>Practical Course Product Development, Materials and Production</b>					
8	Technology Management	PBL 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	UE 1	<b>Case Studie and Clinical Internship</b>					
16	The Digital Enterprise	VL 2	Clinical Internship	PR 1				
17	Exercise: The Digital Enterprise	UE 1	Casestudies Surgery and Internal Medicine	SE 5				
18								
19	<b>Intelligent Systems in Medicine</b>							
20	Intelligent Systems in Medicine	VL 2						
21	Intelligent Systems in Medicine	UE 1	<b>Marketing (Sales and Services / Innovation Marketing)</b>					
22	Intelligent Systems in Medicine	PS 2	PBL Marketing of Innovations	PBL 1				
23			Marketing of Innovations	VL 4				
24								
25	<b>BIO II: Biomaterials</b>		<b>BIO II: Artificial Joint Replacement</b>					
26	Biomaterials	VL 2	Artificial Joint Replacement	VL 2				
27								
28								
29								
30								
Business & Management (from catalogue) - 6LP								
Nontechnical Elective Complementary 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.

