

Course of Study Biomedical Engineering (Study Cohort w17)

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	Applied Statistics		Medical Imaging Systems		Medical Basics and Pathology (part 2)		Master Thesis	
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						
5					Study work			
6								
7	Technology Management		Practical Course Product Development, Materials and Production					
8	Technology Management	PBL 3						
9	Technology Management Seminar	PBL 2	Practical Course Product Development, Materials and Production	FL 6				
10								
11								
12								
13	Production Planning & Control and Digital Enterprise		Medical Basics and Pathology (part 1)					
14	Production Planning and Control	VL 2	Medical Basics and Pathology I	VL 2				
15	Production Planning and Control	UE 1						
16	The Digital Enterprise	VL 2	Case Studie and Clinical Internship					
17	Exercise: The Digital Enterprise	UE 1	Clinical Internship	PR 1				
18			Casestudies Surgery and Internal Medicine	SE 5	Advanced Topics in Control			
19					Advanced Topics in Control	VL 2		
20	Intelligent Systems in Medicine				Advanced Topics in Control	UE 2		
21	Intelligent Systems in Medicine	VL 2						
22	Intelligent Systems in Medicine	UE 1	Marketing (Sales and Services / Innovation Marketing)					
23	Intelligent Systems in Medicine	PS 2	Marketing	PBL 5				
24								
25	BIO II: Biomaterials							
26	Biomaterials	VL 2						
27			BIO II: Artificial Joint Replacement					
28			Artificial Joint Replacement	VL 2				
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.

