

Semester	Courses (German/English)	Grade Weights	Exams	Credit Points	
1. Sep- Dec	<b>Demonstration Week Health Sciences and Technology</b>			<b>1</b>	
	Organic Chemistry I	Exams as two-semester courses			
	Mathematics I				
	Introduction to Health Sciences and Technology I				
	Molecular Genetics and Cell Biology				4/36
	General Chemistry				2/36
Foundations of Computer Science	2/36				
2. Feb- May	Infection and Immunology	2/36	Comprehensive Exam	52	
	Biochemistry	2/36			
	Statistics I	2/36			
	Biomechanics I	4/36			
	Organic Chemistry II	I+II 6/36			
	Mathematics II	I+II 7/36			
	Introduction to Health Sciences and Technology II	I+II 5/36			
	Lab Chemistry		2		
	Lab Introduction to Health Sciences and Technology		2		
	3. Sep- Dec	Fundamentals of Biology II: Cell Biology	56%	Exam Block 1	9
Product Design in Medical Engineering		44%			
Mathematics III		27%	Exam Block 2	11	
Statistics II		27%			
Anatomy and Physiology I		46%	Exams in Exam Block 3		
Physics I					
Neuroanatomy and Neurophysiology					
4. Feb- May	Advanced Physiology and Pathophysiology	NN+APP 13+25%	Exam Block 3	16	
	Histology	13%			
	Physics II	I+II 50%	Exam Block 4	13	
	Anatomy and Physiology II	38%			
	Biomechanics II	31%			
	Biomedical Interfaces	31%			
Lab Physiology			2		
Lab Molecular Biology			2		
5.+6. Sep- Dec & Feb- May	<b>TOTAL Focus Courses</b>			<b>min. 48</b>	
	<b>Focus Area Movement Sciences and Sport</b>			<b>min. 8</b>	
	Core Electives: Movement and Sport Biomechanics (4CP) / Exercise Physiology (4CP) Neural Control of Movement (4CP) / Exercise Sciences (4CP) / Funct. Anatomy (3CP)				
	<b>Focus Area Medical Technology</b>			<b>min. 8</b>	
	Core Electives: Biocomp. Materials (4CP) / Biomed. Eng. (4CP) / Mechanics and Materials in Medicine (4CP) Imaging and Computing in Medicine (4CP) / Biomechatronics (4CP)				
<b>Focus Area Molecular Health Sciences</b>			<b>min. 6</b>		
Core Electives: Concepts in Modern Genetics (6CP) / Immunology I (3CP) Molecular Disease Mechanisms (6CP) / Cell Biology (6CP) / Immunology II (3CP)					
<b>Focus Area Neurosciences</b>			<b>min. 6</b>		
Core Electives: Neural Systems of the... (3CP) / Development of the NS (3CP) Clinical Neuroscience (3CP) / Methods and Models... (3CP) / Translational NS (3CP)					
1.-6.	<b>Electives</b> (thereof at max. 6 CP Sports) (incl. additional Core Electives 5./6. Sem.)			<b>min. 16</b>	
	<b>Compulsory Elective GESS Science in Perspective</b> (Humanities, Social and Political Sciences)			<b>min. 6</b>	
1.-6.	<b>TOTAL Bachelor</b>			<b>min. 180</b>	