Bachelor's Programme Health Sciences and Technology | **BSc ETH HST** | **Curriculum with Exams and Credit Points**

Entries from Autumn 2020 (Study Regulations 2020)

Semester	Course Units (German or English)		Grade Weights	Exams	Credit Points
1. Sep-Dec	Introduction to Health Sciences and Technology I		25%	First Year Exam Block 1 Session Exams	19
	Molecular Genetics and Cell Biology		25%		
	General Chemistry		25%		
	Foundations of Computer Science		25%		
	Organic Chemistry I			Exams as two-semester courses in First Year Exam Block 2	
	Mathematics I				
2. Feb-May	Infection		10%	First Year Exam Block 2 Session Exams	35
	Biochemistry		10%		
	Statistics I		10%		
	Biomechanics I		20%		
	Organic Chemistry II	I+II	20%		
	Mathematics II	I+II	20%		
	Introduction to Health Sciences and Technology II		10%		
	Lab Course in Chemistry			**Semester Performance**	**2**
	Lab in Health Sciences and Technology			**Semester Performance**	**2**
3. Sep-Dec	**Product Design in Medical Engineering**			**Semester Performance**	**4**
	Lab in Medical Technology			**Semester Performance**	**2**
	Mathematics III		38%	Exam Block A Session Exams	13
	Statistics II		23%		
	Anatomy and Physiology I		38%		
	Physics I			Exam as two-semester course in Exam Block B	
4. Feb-May	Molecular and Cell Biology in Health and Disease		38%	Exam Block B Session Exams	16
	Histology		13%		
	Physics II	I+II	50%		
	Anatomy and Physiology II		38%	Exam Block C Session Exams	13
	Biomechanics II		31%		
	Biomedical Interfaces		31%		
	Lab in Physiology	**Block Week**		**Semester Performance**	**3**
5.+6. Sep-Dec & Feb-May	**TOTAL Focus Courses**				**mind. 48**
	Focus Area Movement Science and Sport			**Diverse**	**min. 8**
	Core Electives: Movem. and Sport Biomechanics (4CP) / Exercise Physiology (4CP) // Neur. Contr. Movem. (4CP) / Exercise Sciences (4CP) / Functional Anatomy (3CP) / Exercise Physiology II (3CP)				
	Focus Area Medical Technology			**Diverse**	**min. 8**
	Core Electives: Biocompatible Materials (4CP) / Biomed. Eng. (4CP) / Materials & Mechanics in Medicine (4CP) / Rehabil. & Inclusion (3CP) // Imaging & Computing in Medicine (4CP) / Biomechatronics (4CP)				
	Focus Area Molecular Health Sciences			**Diverse**	**min. 6**
	Core Electives: Concepts in Modern Genetics (6CP) / Immunology I (3CP) / Cellular Ageing (3CP) // Cell Biology (6CP) / Immunology II (3CP) / Data Science (6CP)				
	Focus Area Neurosciences			**Diverse**	**min. 6**
	Core Electives: Neural Systems (3CP) / Developm. Neural System (3CP) / Neuroanat. & -physiol. (4CP) // Clinical Neurosciences (3CP) / Translational Neurosci (6CP)				
6.	**Lab in Molecular Biology**	**Block Week**		**Semester Performance**	**3**
1.-6.	**Electives** (thereof at max. 6 CP Sports)			**Diverse**	**min. 14**
	Compulsory Elective 'Science in Perspective'			**Diverse**	**min. 6**
1.-6.	**TOTAL Bachelor**				**min. 180**