

Sem.	Credits (ECTS)	Courses (Contact hours - SWS: Divided into Lecture/Exercise/Practical)					
1.	30	Mathematics 4/2/0 SWS 6 ECTS	Laboratory Skills / Computing Sciences 3/1/2 SWS 7 ECTS	Cell Biology 3/2/1 SWS 7 ECTS	General Chemistry 2/2/2 SWS 7 ECTS		Languages 1: 0/3/0 SWS 3 ECTS
2.	30	Physics / Statistics 3/2/1 SWS 6 ECTS	Microbiology 2/2/2 SWS 7 ECTS	Human Biology / Histology 3/1/2 SWS 7 ECTS	Organic Chemistry 3/2/1 SWS 7 ECTS		Languages 2: 0/3/0 SWS 3 ECTS
3.	30	Instrumental Analysis 3/2/1 SWS 7 ECTS	Med. Microbiology 2/2/2 SWS 6 ECTS	Physiology 3/1/2 SWS 7 ECTS	Molecular Genetics 4/0/2 SWS 7 ECTS		Measuring Techniques 1/1/1 SWS 3 ECTS
4.	30	Biochemistry 2/2/2 SWS 7 ECTS	Bioinformatics / Quality Assurance 3/3/0 SWS 7 ECTS	Immunology 2/2/2 SWS 7 ECTS	Elective A-1 0/3/0 SWS 3 ECTS	Elective A-2 0/3/0 SWS 3 ECTS	Cell Culture 1/0/2 SWS 3 ECTS
5.	30	Genetic Engineering 2/2/2 SWS 7 ECTS	Microbial Physiology 2/2/2 SWS 7 ECTS	Developmental Biology 2/2/2 SWS 7 ECTS	Elective B-1 0/3/0 SWS 3 ECTS	Elective B-2 0/3/0 SWS 3 ECTS	Elective C 0/3/0 SWS 3 ECTS
6.	30	3 Month Practical Training 18 ECTS			Thesis and Thesis Defense 12 ECTS		