

| 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 | Structural Biology 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 | | |