

“Biomedical Sciences (4 Years, 240 ECTS, B.Sc.)”

Table 2 Course Distribution per Semester

A/A	Course Type	Course Title	Course Code	Periods Per Week	Period Duration in Minutes	Number of Weeks/ Academic Semester	Total Hours/ Academic Semester	Number of ECTS
1st Academic Year/1st Semester								
1.	Compulsory	Introduction to Human Biology	BMS100	4	50	14	56	6
2.	Compulsory	Calculus	BMS105	3	50	14	42	6
3.	Compulsory	General and Inorganic Chemistry	BMS110	5	50	14	70	6
4.	Compulsory	English for Biomedical Sciences	BMS114	3	50	14	42	6
5.	Compulsory	Laboratory Calculations in Biomedical Sciences	BMS115	3	50	14	42	6
1st Academic Year/2nd Semester								
6.	Compulsory	Organic Chemistry	BMS120	5	50	14	70	6
7.	Compulsory	Anatomy-Physiology I	BMS130	3	50	14	42	6

8.	Compulsory	Cell Biology	BMS135	4	50	14	56	6
9.	Compulsory	Academic Skills	HLS100	2	50	14	28	3
10.	Compulsory	Physics for Biomedical sciences	BMS140	2	50	14	28	3
11.	Compulsory	Applied Biostatistics	BMS145	3	50	14	42	6
2nd Academic Year/3rd Semester								
12.	Compulsory	Anatomy-Physiology II	BMS200	3	50	14	42	6
13.	Compulsory	Basic Epidemiology	BMS205	3	50	14	42	6
14.	Compulsory	Molecular Biology	BMS210	6	50	14	84	6
15.	Compulsory	Biochemistry I	BMS220	5	50	14	70	6
16.	Compulsory	Biotechnology	BMS225	3	50	14	42	6
2nd Academic Year/4th Semester								
17.	Compulsory	Biochemistry II	BMS230	4	50	14	56	6
18.	Compulsory	Histology	BMS235	4	50	14	56	6
19.	Compulsory	Introduction to Genetics	BMS240	4	50	14	56	6
20.	Compulsory	Developmental Biology and Embryology	BMS245	3	50	14	42	6

21.	Compulsory	Bioethics and Scientific Integrity	BMS250	3	50	14	42	6
3rd Academic Year/5th Semester								
22.	Compulsory	Human Microbiome and its Implications in Health and Disease	BMS300	3	50	14	42	6
23.	Compulsory	General Microbiology	BMS305	5	50	14	70	6
24.	Compulsory	Medical Genetics	BMS310	4	50	14	56	6
25.	Compulsory	Basic Immunology	BMS315	4	50	14	56	6
26.	Elective	Free Elective Course*	-----	50	14	42	6	6
3rd Academic Year/6th Semester								
27.	Compulsory	Bioinformatics	BMS320	4	50	14	56	6
28.	Compulsory	Clinical Immunology and Hematology	BMS330	4	50	14	56	6
29.	Compulsory	Cancer Biology	BMS335	3	50	14	42	6
30.	Compulsory	Drugs and disease	BMS340	3	50	14	42	6
31.	Compulsory	Research Methodology in Health Sciences	HEA300	3	50	14	42	6
4th Academic Year/7th Semester								
32.	Compulsory	Undergraduate Thesis I	BMS400	3	50	14	42	6
33.	Compulsory	Systems Biomedicine	BMS405	3	50	14	42	6
34.	Compulsory	Clinical Chemistry	BMS410	4	50	14	56	6
35.	Compulsory	Placement of practical exercise	BMS420	--	--	--	--	6
36.	Elective	Free Elective Course*	-----	3	50	14	42	6
4th Academic Year/8th Semester								
37.	Compulsory	Undergraduate Thesis II	BMS425	3	50	14	42	6
38.	Compulsory	Pathobiology & Precision Medicine	BMS430	3	50	14	42	6
39.	Compulsory	Medical Microbiology	BMS435	3	50	14	42	6

40.	Compulsory	Proactive Aging and Regenerative Medicine	BMS440	3	50	14	42	6
41.	Elective	Free Elective Course*	-----	3	50	14	42	6

*Students may enroll in courses offered in any of the other bachelor's programmes (excluding lab courses) with equivalent ECTS.