

«Biological Sciences (4 Years/240 ECTS, B.Sc.)»:

- General Biology
- General Microbiology

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 Biology	BIO115	4	50	14	56	6
2.	Compulsory	General and Inorganic Chemistry	LFS115	5	50	14	70	6
3.	Compulsory	Laboratory Calculations in Biological Sciences	BIO135	3	50	14	42	6
4.	Compulsory	Biostatistics	HEA102	2	50	14	28	3
5.	Compulsory	Mathematics for Life Sciences	MAT195	3	50	14	42	6
6.	Compulsory	Academic Skills	HLS100	2	50	14	28	3
1st Academic Year/2nd Semester								
7.	Compulsory	Cell Biology	BIO140	4	50	14	56	6
8.	Compulsory	Organic Chemistry	LFS135	5	50	14	70	6
9.	Compulsory	Physics for Biological Sciences	BIO145	3	50	14	42	6
10.	Compulsory	Anatomy/Physiology I	HEA100	3	50	14	42	6
11.	Elective	Free Elective Course***	-----	3	50	14	42	6
2nd Academic Year/3rd Semester								
12.	Compulsory	Biochemistry I	LFS245	5	50	14	70	6
13.	Compulsory	General Microbiology	BIO206	5	50	14	70	6
14.	Compulsory	Introduction to Genetics	BIO208	5	50	14	70	6
15.	Compulsory	Anatomy/Physiology II	HEA110	3	50	14	42	6
16.	Elective	Free Elective Course***	-----	3	50	14	42	6
2nd Academic Year/4th Semester								
17.	Compulsory	Bioinformatics	HEA170	3	50	14	42	6
18.	Compulsory	Molecular Cell Biology I	BIO218	4	50	14	56	6
19.	Compulsory	Biochemistry II	LFS250	4	50	14	56	6
20.	Compulsory	Epidemiology	HEA124	3	50	14	42	6
21.	Compulsory	Evolutionary Biology	BIO245	3	50	14	42	6

Concentration: General Biology								
3 rd Academic Year/5 th Semester								
22.	Compulsory	Molecular Cell Biology II	BIO342	4	50	14	56	6
23.	Compulsory	Botany and Plant Anatomy	BIO309	4	50	14	56	6
24.	Compulsory	Zoology I	BIO318	4	50	14	56	6
25.	Compulsory	General Ecology	BIO328	3	50	14	42	6
26.	Compulsory	Developmental Biology	BIO325	3	50	14	42	6
3 rd Academic Year/6 th Semester								
27.	Compulsory	Immunology	BIO364	5	50	14	70	6
28.	Compulsory	Biodiversity and Environmental Conservation	BIO336	3	50	14	42	6
29.	Compulsory	Zoology II	BIO345	4	50	14	56	6
30.	Compulsory	Bioethics in Biological Sciences	BIO435	3	50	14	42	6
31.	Compulsory	Research Methodology	HEA132	3	50	14	42	6
4 th Academic Year/7 th Semester								
32.	Compulsory	Undergraduate Thesis I	BIO490	3	50	4	12	6
33.	Compulsory	Medical Genetics	BIO402	4	50	14	56	6
34.	Compulsory	Plant Physiology	BIO430	5	50	14	70	6
35.	Compulsory	Placement of Practical Exercise	BIO425	--	--	--	--	6
36.	Elective Course		-----	3	50	14	42	6
4 th Academic Year/8 th Semester								
37.	Compulsory	Undergraduate Thesis II	BIO495	3	50	2	6	6
38.	Compulsory	Marine Biology	BIO415	3	50	14	42	6
39.	Elective Course		-----	3	50	14	42	6
40.	Elective Course		-----	3	50	14	42	6
41.	Elective Course		-----	3	50	14	42	6
Concentration: General Microbiology								
3 rd Academic Year/5 th Semester								
42.	Compulsory	Molecular Cell Biology II	BIO342	4	50	14	56	6
43.	Compulsory	Virology	BIO344	3	50	14	42	6
44.	Compulsory	Microbial Genetics	BIO346	3	50	14	42	6
45.	Compulsory	Mycology	BIO348	3	50	14	42	6
46.	Elective Course		-----	3	50	14	42	6
3 rd Academic Year/6 th Semester								

47.	Compulsory	Food Microbiology	BIO362	4	50	14	56	6
48.	Compulsory	Immunology	BIO364	5	50	14	70	6
49.	Compulsory	Bioethics in Biological Sciences	BIO435	3	50	14	42	6
50.	Compulsory	Parasitology	BIO366	3	50	14	42	6
51.	Compulsory	Research Methodology	HEA132	3	50	14	42	6
4 th Academic Year/7 th Semester								
52.	Compulsory	Undergraduate Thesis I	BIO490	3	50	4	12	6
53.	Compulsory	Environmental Microbiology and Physiology of Microorganisms	BIO482	5	50	14	70	6
54.	Compulsory	Clinical Immunology and Haematology	BIO406	4	50	14	56	6
55.	Compulsory	Placement of Practical Exercise	BIO425	--	--	--	--	6
56.	Elective Course		-----	3	50	14	42	6
4 th Academic Year/8 th Semester								
57.	Compulsory	Undergraduate Thesis II	BIO495	3	50	2	6	6
58.	Compulsory	Microbial Biodiversity and Ecology	BIO424	3	50	14	42	6
59.	Compulsory	Medical Microbiology	BIO426	5	50	14	70	6
60.	Elective Course		---	3	50	14	42	6
61.	Elective Course		---	3	50	14	42	6

Elective Courses

Students choose 4 (four) of the following courses during their studies:

1.	BIO372	Biotechnology (Fall semester)	6
2.	BIO360	Climate Change and Environmental Pollution (Fall semester)	6
3.	BIO328**	General Ecology (Fall semester)	6
4.	BIO374	Teaching Biology (Spring semester)	6
5.	LFS255	Nutrition and regulation of cellular functions (Spring semester)	6
6.	BIO376	Introduction to One Health (Spring semester)	6
7.	BIO424*	Microbial Biodiversity and Ecology (Spring semester)	6

*Can only be chosen by students of the Concentration in General Biology

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***Applicants who apply for the Greek version of the programme and do not submit any of the accepted English Language proficiency certifications, must sit the EUC English Placement Test that determines the level of their English language knowledge. In case the level of English language is lower to the EHL102 level of the University, students are enrolled in English courses to reach the successful completion of EHL102 by using their Free Elective Courses.