

Biology (240 credits)

	Course Title	Prerequisites	ECTS	Contact Hours	Autumn	Spring	Instructor
General Module (60 credits)							
1	Introduction to Modern Thought I		6	31			
2	Introduction to Modern Thought II		6	31			
3	Academic Techniques		6	34			
4	English Language Course 1		6	64			
5	English Language Course 2		6	64			
6	English Language Course 3		6	64			
7	English Language Course 4		6	64			
8	Introductory Course in Life Sciences		6				
8	Introductory Course in Physics		6				
10	Introductory Course in Earth Sciences		6				
Major (120 credits)							
Compulsory courses (72 credits)							
	Course of quantitative block		6				
1	Principles of Chemistry		6	38		×	Ketevan Kupatadze
2	Organic Chemistry	Principles of Chemistry	6	38	×		Ketevan Kupatadze
3	Botany		6	32	×		Marine Mosulishvili, ketevan Batsatsashvili, Arsen Bakhia
4	Zoology		6	50	×		Natia Kopaliani, Bela Japoshvili
5	Human and Animal Physiology	Cell Biology	6	48		×	Nato Darchia, Tamar Basishvili
6	Cell Biology		6	32	×		Ia Zhvania
7	Genetics	Cell Biology	6	47		×	Aivengo Shatirishvili Marine Menabde, Nana Dvalishvili
8	Biochemistry	Principles of Chemistry	6	45		×	Lali Shanshiashvili, Davit Mikeladze

9	Molecular Biology	Biochemistry Genetics	6	68	×		Revaz Solomonias, Ekaterine Tevdoradze
10	Microbiology and Virology	Biochemistry Genetics	6	49	×		Ekaterine Tevdoradze, Marine Kikvidze
11	Biosafety and Biosecurity		6	36		×	Lela Chitadze
Compulsory-Elective courses (36 credits)							
Block A (at least 18 credits)							
12	Fundamentals of Immunology	Biochemistry; Cell Biology	6	34	×		Lali Shanshiashvili
13	Principles of Toxicology	Biochemistry	6	32	×		Elene Zhuravliova
14	Principles of Biotechnology	Molecular Biology	6	32	×		Neli Datukishvili
15	Bioenergetics	Biochemistry	6	32		×	Tamar Barbakadze
16	Physiology of Human Functional Systems	Human and Animal Physiology	6	32	×		Nato Darchia
17	Physiology of Behavior		6	39		×	Mariam Gogichadze
18	Cognitive Physiology		6	32	×		Nato Darchia, Nikoloz Oniani
19	Fundamentals of Neurobiology	Human and Animal Physiology	6	32		×	Eka Lepsveridze
20	Intercellular Relations	Cell Biology	6	34		×	Nana Narmania
21	Evolution of Biosphere		6	32		×	Eka Tskitishvili
22	Bachelor's thesis	აკადემიური მუშაობის ტექნიკები	6			×	Supervisors of Bachelor's thesis
Block B							
23	Evolutionary Biology		6	32		×	Aivengo Shatirishvili
24	Fundamentals of Biophysics	Principles of Chemistry; Physics for Biologists	6	48		×	Nunu Metreveli
25	Fundamentals of Ecology		6	42	×	×	David Tarkhishvili
26	Influence of Climate on Distribution of Plants and Animals	Fundamentals of Ecology	6	36		×	Alexandre Gavashelishvili
27	Physiology of Plants	Botany	6	36	×		Maia Sepashvili
28	Physics for Biologists		6	49		×	Giorgi Japaridze
29	General Embryology		6	32		×	Edisher Tskhadaia
30	Introduction to Neuroscience	Human and Animal Physiology	6	32	×		Giorgi Gamkrelidze
31	Human anatomy		6	32		×	Ivane Abiatari, Irakli Amiranashvili
32	General Histology	Cell Biology	6	32	×		Nana Bakhtadze
Elective courses (12 credits)							
33	Introduction to Conservation Biology	Fundamentals of Ecology	6	32	×	×	Marine Murtskhvaladze, Zurab Javakhishvili

34	Biogeography with Principles of Physical Geography	Botany; Zoology	6	32	×		Shalva Barjadze
35	Cooperation and Conflict in Animal Societies	Zoology	6	32		×	Natia Kopaliani
36	Predator-Prey Relation in Ecosystem	Fundamentals of Ecology	6	32		×	Zurab Gurielizde
37	Georgian Flora	Botany	6	36	×		Marine Mosulishvili
38	Human body and health		6	32		×	Nato Darchia, Tamar Basishvili
39	Diseases of Wild Animals	Zoology	6	34	×		Levan Ninua
40	Modern physics in modern technologies		6	32		×	Ivane Murusidze
41	Radiation Ecology		6	32	×		Kakhaber Kapanadze
Minor / free component (60 credits)							

* Bachelor's thesis can be chosen in the final semester.