

WESTERN CASPIA UNIVERSITY
Faculty of Natural and Applied Sciences
050501 Biology
PLAN

Education Level–Bachelor
Study Period- 4 years

Instruction Language – Azerbaijani, Russian and English

I semester		
Code	Compulsory Subjects	ECTS
ÜF-B02.01	Business and academic communication in a foreign language-1	6
ÜF – B03	Business and academic communication in the Azerbaijani language	4
İF-BO1	Mathematics and biostatistics for biological sciences	5
İF-BO2	Physics	5
İF-B11	Human anatomy and physiology	7
İF-B23	Civil Defence	3
Total		30
Per Semester:		30
II semester		
Code	Compulsory Subjects	ECTS
ÜF-B01	Azerbaijan History	5
ÜF-B02.02	Business and academic communication in a foreign language -2	6
İF-BO3	Chemistry	5
İF-BO4	Cytology and histology	6
İF-BO6	Morphology and anatomy of plants	5
Total		27
Elective subjects in general		
Code	Compulsory Subjects	ECTS
ÜFS-B04	1. Philosophy 2. Introduction to multiculturalism 3. Sociology 4. Constitution of the Republic of Azerbaijan and Bases of Law 5. Logic 6. Ethics and aesthetics	3
Total		3
Per Semester:		30
III semester		
Code	Compulsory Subjects	ECTS
ÜF-B02.03	Business and academic communication in a foreign language -3	3
İF-BO5	Individual development and evolution	5
İF-BO7	Primary plants and fungi	5
İF-BO9	Invertebrate animals	5
Total		18
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF -B01	1. Special foreign language 2. Academic writing and reading 3. Latin	6

ATMF -BO4	1. Geobotany 2. Hydrobiology 3. Hydrochemistry	6
	Total	12
	Per Semester:	30
IV semester		
Code	Compulsory Subjects	ECTS
İF-BO8	Plants	5
İF-B10	Vertebrate animals	5
İF-B12	Biochemistry	5
İF-B16	Hydrobiology	7
İF-B22	Biophysics	5
	Total	27
Elective subjects in general		
Code	Compulsory Subjects	ECTS
ÜFS-B05	1. Application of information technologies in biology 2. Information management and databasecreation 3. Basics of entrepreneurship and introduction to business 4. Politology	3
	Total	3
	Per Semester:	30
V semester		
Code	Compulsory Subjects	ECTS
İF-B14	Microbiology	5
İF-B15	Plant physiology	5
İF-B17	Enzymology	5
	Total	15
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF -BO2	1. Neurobiology 3 2. Higher nervous physiology 3. Pathophysiology	6
ATMF -BO3	1. Azerbaijani medicinal plants 2. Flora and fauna of Azerbaijan 3. Industrially important plants	3
ATMF -BO5	1. Biochemistry of hormones 2. Functional biochemistry 3. Endocrinology	6
	Total	15
	Per Semester:	30
VI semester		
Code	Compulsory Subjects	ECTS
İF-B13	Biodiversity	5
İF-B18	Immunology	5
İF-B19	Molecular biology	7
	Total	Total
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF -BO6	1. Microbiology of food products 2. Industrial microbiology 3. Foodsafety	4
ATMF -BO8	1. Applied genetics 2. Ecological genetics 3. Medical Biology	5

	1. Marine flora 2. Ichthyology 3. Oceanology	4
	Total	13
	Per Semester:	30
VII semester		
Code	Compulsory Subjects	ECTS
IF-B20	Bioinformatics	5
IF-B21	Biotechnology	5
	Total	10
Subjects determine by the higher education institution		
ATMF -BO7	1. Proteomics 2. Cell biology 3. System biology	4
ATMF -BO9	1. Membranology 2. Nanobiotechnology 3. Genetic engineering	5
ATMF-BO10	1. Gerantology 2. Genomics and epigenetics 3. Human genetics	5
ATMF-BO11	1. Photosynthesis 2. Virology 3. Parasitology	6
	Total	20
	Per Semester:	30
VIII semestr		
Code	Compulsory Subjects	ECTS
	Practise	21
	Thesis	9
	Per Semester:	30
	Total	240
FALL SEMESET:		
Lessons Start: September 15 Exam Period: From December 29 To February 1 Holidays: February 2 To February 15		
SUMMER SEMESTER:		
Lessons Starts on 16 Feb Exam Period 1 Jun-05 Jul Vocation Period 6-10 Weeks		
SUMMER SEMESTER:		
Lessons Start: July 16 To August 20 Exam Period: August 21-27		