

WESTERN CASPIAN UNIVERSITY

FACULTY OF APPLICATION AND NATURAL SCIENCES

**050708 on Water bioresources and aquatic plants
EMPLOYEE TRAINING PLAN**

Education Level –Bachelors

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-BO3	physicsa_for	5
İF-BO4	Botany	7
İF-BO2	Mathematics	5
İF-B24	Civil defense	3
Total		30
Per semester		30
II semester		
Code	Compulsory Subjects	ECTS
ÜF-B01	History of Azerbaijan	5
ÜF-B02.02	Business and academic communication in a foreign language -2	6
İF-BO1	General chemistry	5
İF-BO5	General biology	6
İF-BO9	Informatics	4
İF-B13	Ecology	4
Total		30
Per semester		30
III semester		
Code	Compulsory Subjects	ECTS
ÜF-B02.03	Business and academic communication in a foreign language -3	3
İF-BO7	Introduction to the specialty and history of development of the specialty	3
İF-B12	Zoology	6
Total		12
Elective subjects in general subjects		
Code	Compulsory Subjects	ECTS
ÜFS-B04	1. Philosophy 2. Introduction to multiculturalism 3. Sociology 4. The Constitution of the Republic of Azerbaijan and the bases of law 5. Basics of entrepreneurship and introduction to business 6. Ethics and aesthetics	3
ÜFS-B05	1. Information technologies in the agrarian field (by specialty) 2. Information management in agriculture (by specialty) 3. Logic	3

	4. Politology	
	Total	6
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF -BO1	1. Latin language 2. Academic writing and reading 3. Special foreign language	6
ATMF -BO2	1. Water basins of Azerbaijan 2. Water pollution and control 3. Sanitary hydrobiology	6
	Total	12
	Per semester	30
IV semester		
Code	Compulsory Subjects	ECTS
İF-B10	Physiology of aquatic plants	5
İF-B16	Planktonology	5
İF-B22	Labor protection	4
	Total	14
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF -BO3	1. Water toxicology 2. Hydrochemistry 4. Hydromorphology	6
ATMF -BO4	1. Ecological law 2. Legislation of fisheries 3. Ecological standardization, monitoring, examination and audit of water basins	6
ATMF -BO5	1. Methods of calculation of bioresources 2. Methods for calculating damage to water bodies 3. Rational use of nature	4
	Total	16
	Per semester	30
V semester		
Code	Compulsory Subjects	ECTS
İF-BO6	Microbiology	5
İF-BO8	Meteorology and climatology	5
İF-B15	Aquaculture of aquatic plants	5
İF-B19	Methods of monitoring and research in aquaculture	7
	Total	22
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF -BO6	1. Anatomy and physiology of fish 2. Fish membrinology 3. Taxonomy and ecology of fish	4
ATMF -BO7	1. Fish histology 2. Fish cytology 3. Fish embryology	4
	Total	8
	Per semester	30
VI semester		
Code	Compulsory Subjects	ECTS
İF-B11	Fishing	6
İF-B14	Biochemistry	6
İF-B21	Aquaculture of aquatic invertebrates	5
	Total	17

Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF -BO8	1. Artificial fish farming 2. Genetics and selection of fish 3. Diseases of fish	5
ATMF -BO9	1. Marine flora 2. Plankton and its cultivation technology 3. Oceanology	4
ATMF-BO10	1. Hydrology 2. Decorative aquatic plants 3. Wetland aquatic plants	4
	Total	13
	Per semester	30
VII semester		
Code	Compulsory Subjects	ECTS
İF-B23	Economics, marketing and management of the industry	4
İF-B20	Statistics	4
İF-B17	Aquaculture of fish	6
İF-B18	Feeding fish	5
	Total	19
Subjects determined by the higher education institution		
ATMF-BO11	1. Biophysics 2. Bioinformatics 3. Computer modeling in biology	6
ATMF-BO12	1. Fishing, hunting tools and fishing methods 2. Sport fishing and fish tourism 3. Decorative fishing	5
	Total	11
	Per semester	30
VIII semester		
Code	Compulsory Subjects	ECTS
	Practise	21
	Graduation Final State Attestation	9
	Per semester	30
	Total	240
Fall semester		
Classes start: September 15 Exam session: from December 29 to February 1 Holidays: February 2 to February 15		
Summer semester		
Classes start: February 16 Exam session: from June 1 to July 5 Vacation: duration is determined by the curriculum (6-10 weeks)		
Summer semester		
Classes start: July 16 to August 20 Exam session: August 21-27		