

WESTERN CASPIAN UNIVERSITY

**School of Natural and Applied Sciences
050504 On the specialty of ecology
Programme**

**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-BO1	Chemistry	6
İF-BO6	Basics of earth sciences	6
İF-BO7	General ecology	5
İF-B23	Civil Defense	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	Higher Mathematics	7
İF-BO5	Physics	4
İF-B11	Ecological research methods	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-BO2	Biology	6
İF-BO8	Geographical ecology	4
İF-BO9	Animal ecology	5
	Total	18
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF -B01	1. Plant ecology 2. Ecology of the Caucasus 3. Flora and fauna of Azerbaijan	6

ATMF -BO2	1. Hydrology 2. Environmental control and rehabilitation 3. Environmental problems of the oil industry	6
	Total	12
	Per Semester:	30
IV semester		
Code	Compulsory Subjects	ECTS
İF-BO4	Biosphere and its protection	6
İF-B13	Human ecology and sustainable development	5
İF-B17	Industrial ecology	4
	Total	15
Elective subjects in general		
Code	Compulsory Subjects	ECTS
ÜFS-B05	1. Application of information technologies in ecology 2. Information management and database creation 3. Basics of entrepreneurship and introduction to business 4. Palitology	3
	Total	3
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF -BO3	1. Ecology of the Caspian Sea 2. Aquatic and terrestrial ecosystems 3. Ecosystems, their protectioni	6
ATMF -BO4	1. Atmospheric ecology, modern pollutants 2. Ecology management 3. Management of specially protected natural areas	6
	Total	12
	Per Semester:	30
V semester		
Code	Compulsory Subjects	ECTS
İF-B10	Soil science	4
İF-B12	Landscape and landscape ecology	5
İF-B18	Ecological Chemistry	6
İF-B22	Sustainable management of natural resources	4
	Total	19
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF -BO5	1. Land structure and cadastre 2. Application of cadastral maps 3. Design and compilation of general geographical maps	6
ATMF -BO6	1. Regional ecology 2. Environmental safety of alternative energy sources 3. Ecological bases of nature use	5
	Total	11
	Per Semester:	30
VI semester		
Code	Compulsory Subjects	ECTS
İF-B14	Air and water quality, pollution and protection	6
İF-B19	Forestry	6
İF-B21	Biodiversity conservation	6
	Total	18
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF -BO7	1. Agrochemistry and environmental protection 2. Environmental problems of transport	6

	3. Monitoring of terrestrial ecosystems	
ATMF -BO8	1. Global environmental problems 2. Ecology of the lithosphere 3. Natural disasters and their elimination	6
	Total	12
	Per Semester:	30
VII semester		
Code	Compulsory Subjects	ECTS
İF-B20	Ecological monitoring	5
İF-B15	Ecology Law	4
İF-B16	Ecological cartography and geographic information systems	8
	Total	17
Subjects determined by the higher education institution		
ATMF -BO9	1. Landscape-ecological conditions of Absheron peninsula 2. The concept of state environmental policy 3. Ecology of economic zones of Azerbaijan	6
ATMF-BO10	1. Organization of waste-free production processes 2. Waste recycling 3. Environmental assessment of waste	7
	Total	13
	Per Semester:	30
VIII semester		
Code	Compulsory Subjects	ECTS
	Practise	21
	Thesis	9
	Per Semestr:	30
	Total	240
FALL SEMESTER:		
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		