MINISTRY OF SCIENCE AND EDUCATION OF AZERBAIJAN REPUBLIC
"AZERBAIJAN STATE OIL AND INDUSTRY UNIVERSITY" PUBLİC LEGAL ENTİTY

Confirm:
Acting Rector,
assoc. prof. Vazeh Askarov
«12» 09 2023

Speciality: «050606-Ecological Engineering»
Academic years 4 year (8 semester) visual

EDUCATION PLAN
(for bachelour level)
I. SCHEDULE OF EDUCATIONAL PROCESS

Kurslar	september				29 IX / 5 X	october			27 X / 2 XI	november				december				29 XII / 4 I	yanuary			26 I / 1 II	february			23 II / 1 III	marth				30 III / 5 IV	april				27 IV / 3 V	may				june				29 VI / 5 VII	jule			27 VII / 1 VIII	augost			
	1 / 7	8 / 14	15 / 21	22 / 28		6 / 12	13 / 19	20 / 26		3 / 9	10 / 16	17 / 23	24 / 30	1 / 7	8 / 14	15 / 21	22 / 28		5 / 11	12 / 18	19 / 25		2 / 8	9 / 15	16 / 22		2 / 8	9 / 15	16 / 22	23 / 29		6 / 12	13 / 19	20 / 26		4 / 10	11 / 17	18 / 24	25 / 31	1 / 7	8 / 14	15 / 21	22 / 28		6 / 12	13 / 19	20 / 26		2 / 8	9 / 15	16 / 22	23 / 29
I																		::	::	::	::	::	=	=															::	::	::	::	::	=	=	=	=	=	=	=	=
II	=	=																::	::	::	::	::	=	=															::	::	::	::	::	=	=	=	=	=	=	=	=
III	=	=																::	::	::	::	::	=	=															::	::	::	::	::	=	=	=	=	=	=	=	=
IV	=	=																::	::	::	::	::	=	=	X	X	X	X	X	X	X	X	X	X	X	X	X	X	II	II	II	II	II								

Symbols: Theoretical training ☐ Exam session :: Practice X Final state certification II Vacation =

II. EDUCATIONAL PROCESS PLAN

№	Code of subject	Name of subjects	Number of credits	Total hours	Hours outside the auditorium	Auditorium hours	Including			C.P.	Code of prerequisites (which must be taught first)	Correction code of subjects required for parallel teaching	Semester in which the subject is taught (autumn or spring)	Weekly workload
							Lectures	Practic lessons	Lab. lessons					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	HS-B00	**Humanitar subjects**	**30**	**900**	**495**	**405**	**90**	**315**						
1	HS-B01	History of Azerbaijan	5	150	90	60	30	30					2	4
2	HS-B02	Foreign Language: General English and Speech Practice	8	240	120	120		120					1	8
3	HS-B03	Foreign Language: Academic vocabulary and reading. Social communication skills	7	210	105	105		105					2	7
4	HS-B04	Business and academic communication in the Azerbaijani language	4	120	75	45		45					3	3
		Elective subjects	**6**	**180**	**105**	**75**	**60**	**15**						
5	ES-B05	Block I: 1) Philosophy; 2) Sociology; 3) Fundamentals of law; 4) Logic; 5) Ethics and aesthetics; 6) Introduction to multiculturalism	3	90	45	45	30	15					3	3
6	ES-B06	Block II: 1) Information technology (specialty); 2) Information management; 3) Basics of entrepreneurship and introduction to business; 4) Politology	3	90	60	30	30						1	2
	VSS-B00	**Vocational training subjects of speciality**	**120**	**3600**	**2235**	**1365**	**765**	**480**	**120**					
7	VSS-B01.1	Calculus I	5	150	90	60	30	30					1	4
8	VSS-B01.2	Calculus II	5	150	90	60	30	30				VSS-B01.1	2	4
9	VSS-B02	Applied mathematics	6	180	120	60	30	30					3	4
10	VSS-B03	Basics of physics	7	210	135	75	45	15	15				1	5
11	VSS-B04	Ecological engeenering	6	180	90	90	45	15	30				7	6
12	VSS-B05	General Chemistry 1 (Inorganic Chemistry)	4	120	75	45	30		15				2	3
13	VSS-B06	General Chemistry 2 (Organic Chemistry)	4	120	75	45	30		15				3	3
14	VSS-B07	Analytical chemistry and instrumental analysis	4	120	60	60	30		30				4	4
15	VSS-B08	Basics of environmental chemistry and toxicology	5	150	90	60	30	30					4	4
16	VSS-B09	Engineering graphics	6	180	135	45	15	30					1	3
17	VSS-B10	Physical bases of remote sensing	7	210	135	75	45	30					3	5
18	VSS-B11	Hydrology	6	180	120	60	45	15					2	4
19	VSS-B12	General ecology	7	210	150	60	30	30					3	4
20	VSS-B13	Environmental impact assessment	6	180	120	60	45	15					4	4
21	VSS-B14	Modeling of ecological systems	5	150	90	60	30	30					5	4
22	VSS-B15	Ecological monitoring	5	150	90	60	30	30					5	4
23	VSS-B16	Environmental management	6	180	120	60	45	15					4	4
24	VSS-B17	Waste-free production processes and waste recycling	6	180	105	75	30	30	15				5	5
25	VSS-B18	Integrated water resources management	6	180	105	75	45	30					6	5
26	VSS-B19	Climate change and global warming	5	150	90	60	30	30					5	4
27	VSS-B20	Land reclamation, reclamation and ecological bases	6	180	105	75	45	30					6	5
28	VSS-B21	Civil defense	3	90	45	45	30	15					6	3
	VTES-B00	**Elective subjects (vocational training)**	**60**	**1800**	**1245**	**555**	**300**	**180**	**75**					
29	VTES-B01	I block: 1) Environmental problems of oil refining and petrochemical production; 2) Protection of the environment from harmful wastes of industrial enterprises;	9	270	195	75	45	15	15	C.P.			7	5
30	VTES-B02	II block: 1) Processes and apparatus of environmental protection; 2) New safe technological processes	10	300	210	90	45	45					4	6
31	VTES-B03	III block: 1) Radioecology 2) Environment and risk processes	9	270	210	60	30		30				6	4
32	VTES-B04	IV block: 1) Wastewater treatment; 2) Environmental problems of water supply systems	8	240	165	75	45	15	15				6	5
33	VTES-B05	V block: 1) Utilization of wastes of oil refining and petrochemical processes; 2) Environmental protection and efficient use of natural resources	9	270	195	75	45	30					5	5

34	VTES-B06	VI block: 1) Waste management; 2) Purification of gas emissions into the atmosphere	7	210	135	75	30	30	15			7	5
35	VTES-B07	VII block: 1) Technical English; 2) Classical and fuzzy logic	3	90	60	30		30				7	2
36	VTES-B08	SƏTƏM	2	60	30	30	30					7	2
37	VTES-B09	Project management	3	90	45	45	30	15				7	3

A week of internship and graduation work is 1.5 credits.

III. PERIOD OF TRAINING

Education year	Theoretical training	Exam session	Experience	Final state certification	Vacation	Total
I	30	10	-	-	12	52
II	30	10	-	-	12	52
III	30	10	-	-	12	52
IV	15	5	14	6	2	42
Total:	105	35	14	6	38	198

IV. INDICATORS OF THE EDUCATIONAL PROCESS

Semester	1	2	3	4	5	6	7	Practice	Final State Certification	Total
The number of credits	29	27	31	31	30	32	30	21	9	240
Number of exams	5	5	6	5	5	5	5	-		36
Hours per week	22	22	22	22	22	22	23	-		

AGREED:

Vice Rector for Academic Affairs — **associate professor G.A.Mammadov**

Dean of the Faculty of Chemical Technology — **Sc.D., professor S.A.Mammadkhanova**

Head of the Department of "Chemistry and Technology of Inorganic Substances" — **Sc.D., professor Y.N.Gahramanli**

Head of the Department of "Petrochemical Technology and Industrial Ecology" — **associate professor N.T.Aliyeva**

Head of the Department "Technology of organic substances and high-molecular compounds" — **Sc.D., professor F.A.Amirli**