Ministry of Science and Education of Azerbaijan Republic
"Azerbaijan State Oil and Industry University" Public legal entity

"Approved" by
Acting Rector
__________ assoc. prof. Vazeh Askarov
19 / 09 2023

Specialty: 050628 - Mechanical Engineering
Duration: 4 years (8 terms)

CURRİCULUM
(bachelor's degree)

I. EDUCATIONAL PROCESS SCHEDULE

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

LEGEND: THEORETICAL TRAINING ☐ EXAMINATIONS [::] PRACTICAL TRAINING [X] FINAL STATE ATTESTATION [||] HOLIDAYS [=]

II. EDUCATIONAL PROCESS PLAN

№	Subject code	Name of the subject	Credit	Total hours	Out-of-lecture-hall hours	Including				TW/TP	Prerequisite subject code	Co-requisite subject code	Term	Weekly load
						Lecture-hall hours	Lectures	Seminar	Laboratory					
	HS-BOO	***Humanitarian subjects***	**30**	**900**	**480**	**420**	**90**	**330**						
1	HS-B01	Azerbaijan history	5	150	90	60	30	30					2	4
2	HS-B02.1	Business and academic communication in a foreign language: General English	8	240	120	120		120					1	8
3	HS-B02.2	Business and academic communication in a foreign language: Speech Practice-Development of speech skills	7	210	105	105		105					2	7
4	HS-B03	Business and academic communication in the Azerbaijani language	4	120	75	45		45					3	3
		Elective subjects	**6**	**180**	**90**	**90**	**60**	**30**						
5	ES-B04	Block I: 1) Philosophy; 2) Sociology; 3) Constitution of the Repu of Azerbaijan and bases of law; 4) Logic; 5) Ethics and aesthe 6)Introduction to multiculturalism	3	90	45	45	30	15					4	3
6	ES-B05	Block II: 1) Information technology; 2) Information management; 3) Basics of entrepreneurship and introduction to business 4)Political science	3	90	45	45	30	15					5	3
	VSS-BOO	***Vocational training subjects of the specialty***	**180**	**5400**	**3510**	**1890**	**1110**	**600**	**180**					
			120	**3600**	**2370**	**1230**	**750**	**360**	**120**					
7	VSS-B01	Linear algebra and analytic geometry	4	120	60	60	30	30					1	4
8	VSS-B02.1	Calculus-1	4	120	60	60	30	30					2	4
9	VSS-B02.2	Calculus -2	4	120	75	45	30	15			VSS-B02.1		3	3
10	VSS-B03	Applied mathematics	4	120	75	45	30	15					4	3
11	VSS-B04	Chemistry	5	150	105	45	30		15				2	3
12	VSS-B05	Physics	8	240	165	75	45	15	15				1	5
13	VSS-B06	Introduction to the specialty	4	120	90	30	30						1	2
14	VSS-B07	Descriptive geometry and engineering graphics	5	150	90	60	30	30					1	4
15	VSS-B08	Computer graphics	3	90	45	45	15	30					2	3
16	VSS-B09	Materials science	4	120	75	45	30		15				3	3
17	VSS-B10	Materials technology	4	120	75	45	30	15					4	3
18	VSS-B11	Theoretical mechanics	6	180	135	45	30	15					3	3
19	VSS-B12	Strength of materials	6	180	120	60	30	30					4	4
20	VSS-B13	Theory of machines and mechanisms	7	210	150	60	30	30		C.W			4	4
21	VSS -B14	Basics of electrotechnics and electronics	4	120	90	30	15		15				2	2
22	VSS-B15	Machine production technology	7	210	135	75	45	30					5	5
23	VSS-B16	Basics of automation	4	120	60	60	30	30					5	4
24	VSS-B17	Machine design	7	210	135	75	45	30		C.P			5	5
25	VSS-B18	Basics of programming	5	150	105	45	30	15					3	3
26	VSS-B19	Thermodynamics	4	120	90	30	15		15				3	2
27	VSS-B20	Civil defense	3	90	60	30	30						4	2
28	VSS-B21	Life safety	4	120	75	45	30		15				3	3
29	VSS-B22	Metrology, standardization and certification	5	150	105	45	30		15				5	3
30	VSS-B23	Flow mechanics	5	150	105	45	30		15				4	3
31	VSS-B24	Engineering economics	4	120	90	30	30						5	2
		Elective subjects (Vocational training)	**60**	**1800**	**1140**	**660**	**360**	**240**	**60**					
32	VTES-B01	Block I: 1) Destruction of machines and structures; 2) Tribotechnical tests and forecasting; 3) Diagnostic tools	8	240	165	75	45	30					7	5
33	VTES-B02	Block II: 1) Strength of repair equipment; 2) Stability of mobile aggregates; 3) Means of mechanization	7	210	150	60	30	30					6	4
34	VTES-B03	Block III: 1) Lifting machines; 2) Applied machine design; 3) Transportation devices	7	210	135	75	45	30		C.P			6	5
35	VTES-B04	Block IV: 1) Strength of drilling rig elements; 2) Compressor units; 3) Non-oil sector equipment	7	210	105	105	45	30	30				6	7
36	VTES-B05	Block V: 1) Strength of oil production devices; 2) Fluid mechanics; 3) Equipment of flow lines	9	270	165	105	45	30	30				7	7
37	VTES-B06	Block VI: 1) Dynamics and strength of industrial devices; 2) Reduction units; 3) Dynamics of machines	7	210	150	60	30	30					6	4
38	VTES-B07	Block VII: 1) Machines and engines; 2) Mechanical vibration; 3) Balancing machines	7	210	135	75	60	15					7	5
39	VTES-B08	Block VIII: 1) Technical foreign language; 2) Classical and fuzzy logic	3	90	60	30		30					7	2
40	VTES-B09	Block IX: 1) HSE	2	60	30	30	30						6	2
41	VTES-B10	Block X: 1) Project management	3	90	45	45	30	15					7	3

III.TRAINING PERIOD (weeks)

Academic year	Theoretical training	Exam session	Practice	Final State attestation	Holidays	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. TEACHING PROCESS INDICATORS

Term	1	2	3	4	5	6	7	8		Total
								Practice	Preparation and defense of the graduation work	
Number of credits	29	28	31	32	30	30	30	21	9	240
Number of exams	5	6	7	7	6	5	5			41
Hours per week	23	23	20	22	22	22	22			

Presented by:

Vice-Rector assoc. prof. G.A. Mammadov

Dean of the Faculty of Petroleum Mechanics assoc. prof. A.S. Ahmadov

Head of Department of Mechanics assoc. prof. S.H.Abbasov