

I confirm: _____
Western Caspian University
Executive Vice-Rector RH Bagirov
Instrumentation Engineering
“ “ 2023

Duration of study: 4 years (8 semesters)

I. ACADEMIC YEAR

courses	I. ACADEMIC YEAR																																																						
	September					October				NOVEMBER ?				DECEMBER					JANUARY				FEBRUARY				MARCH				A pril				MAY				JULY					JUNE.				AUGust							
	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24			
	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	1	8	15	22	29	8	15	22	29	5	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30			
I																		::	::	::	::	::	=	=															::	::	::	::	::	::	=	=	=	=	=	=	=	=			
II	=	=																::	::	::	::	::	=	=															::	::	::	::	::	::	=	=	=	=	=	=	=	=			
III	=	=																::	::	::	::	::	=	=															::	::	::	::	::	::	=	=	=	=	=	=	=	=			
IV	=	=																::	::	::	::	::	=	=	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	//	//	//	//	//	//								

VACATION



No.	SUBJECT code	Name of subjects	Number of credits	Total hours	Non cirrcular hours	Clasroom hours	Including			Prerequisite (first teaching necessary) code of subjects	Teaching the subject intended semester (fall or spring	Weekly course load
							Lecture	Seminar exercise	Laboratory			
1	2	3	4	5	6	7	8	9	10	11	12	13
	GS - B 00	General subjects										
1	GS- B 01	History of Azerbaijan	5	150	90	60	30	30			spring-2	4
2	GS -B 0 2.01	Business and academic communication in a foreign language -1	7	210	105	105		105			fall-1	7
3	GS-B02 .02	Business and academic communication in a foreign language -2	8	240	120	120		120		UF-B02 .01	spring-2	8
4	GS – B0 3	Business and academic communication in Azerbaijani	4	120	75	45		45			fall-1	3
	GSN - B 0 0	Specialized subjects	24	720	390	330						
5	GSN -B04	First block 1.Philosophy 2. Introduction to multiculturalism 3.Sociology 4. Constitution of the Republic of Azerbaijan and the foundations of law 5.Logic 6. Ethics and aesthetics	3	90	60	30	15	15			fall-3	2
6	GSN-B05	Second block 1. Information technologies (by specialization) 2. Information management 3.Political Science 4. Fundamentals of entrepreneurship and introduction to business	3	90	60	30	15	15			fall-7	2
	SS-BOO	Specialized subjects	120	3600	2280	1320	720	570	30			
7	SS-BO1	Linear algebra and analytic geometry	4	120	90	30	15	15			fall-1	2
8	SS-BO 2	Mathematical analysis	8	240	165	75	45	30			spring-2	5
9	SS-BO 3	Applied mathematics	4	120	90	45	30	15			fall-3	3
10	SS-BO4	Fundamentals of Physics	5	150	90	60	30	20	10		fall-1	4
11	SS-BO5	Applied physics	7	210	120	90	45	30	15		spring-4	6
12	SS-BO 6	Chemistry	6	180	120	60	30	20	10		spring-4	4
13	SS-BO 7	Fundamentals of computer systems hardware and software	7	210	150	60	30	30			fall-1	4
14	SS-BO 8	Engineering graphics and design	4	120	90	30	15	15			spring-2	2
15	SS-BO9	Electrical engineering	7	210	120	90	45	45			fall-5	6
16	SS-B1 0	Mechanical engineering	6	180	120	60	30	30			fall-5	4

17	SS-B1 1	Electronics and circuit engineering	6	180	105	75	45	30			spring-6	5
18	SS-B1 2	Computer-based device engineering	5	150	90	60	30	30			fall-5	4
19	SS-B1 3	Quality control and metrology	7	210	120	90	45	45			spring-6	6
20	SS-B1 4	Measurement technologies	6	180	120	60	30	30			spring-6	4
21	SS-B1 5	Industrial devices	6	180	105	75	45	30			fall-7	5
22	SS-B1 6	Materials science	6	180	120	60	30	30			fall-7	4
23	SS-B1 7	Microprocessors and microcontrollers	6	180	105	75	45	30			spring-4	5
24	SS-B 1 8	Fundamentals of device technologies	5	150	90	60	30	30			spring-2	4
	SS-B 1 9	Automated device design systems	6	180	105	75	45	30			fall-3	5
25	SS-B20	Physical foundations of information acquisition, modern sensors and transducers	6	180	105	75	45	30			fall-3	5
26	SS-B21	Civil defense	3	90	60	30	15	15			fall-1	2
	,VSSBOO	Vocational training subjects by speciality	60	1800	1140	660	330	325	5			
27	VSS-BO1	Block I: 1. Analytical processing of data 2. Basics of Cryptography	5	150	105	45	30	15			fall-3	3
28	VSS-BO2	Block II: 1. Multimedia technologies 2. Mechatronics systems	6	180	120	60	30	30			fall-3	4
29	VSS-BO3	Block III : 1.Web programming 2. Distributed cloud computing	6	180	120	60	30	30			Spring-4	4
30	VSS-BO4	Block IV: 1. Laser and its uses 2.Corporate information systems	5	150	90	60	30	30			spring-4	4
31	VSS-BO5	Block V: 1.Constructive geometry and engineering graphics 2.Expert systems	4	120	75	45	30	15			fall-5	3
32	VSS-BO6	Block VI: 1. Engineering mathematics 2.Systematic analysis +	4	120	75	45	30	15			fall-5	3
33	VSS-BO7	Block VII: 1. Mathematical logic problems + 2. Nanotechnologies	4	120	75	45	30	15			fall-5	3
34	VSS-BO8	Block VIII: 1.Materials and processes 2. Modern programming languages	6	180	120	60	30	20	10		spring-6	4
35	VSS-BO9	Block IX: 1. Optical information systems 2.Engineering design systems	5	150	105	45	30	15			spring-6	3
36	VSS -B10	X block: 1. Decision-making models 2.Digital electronics	5	150	90	60	30	60			fall-7	4
37	VSS -B11	Block XI: 1.Intelligent systems 2. Modern production processes	5	150	90	60	30	30			fall-7	4
38	VSS -B12	Block XII: 1.Robotic complexes 2. Industrial robots	5	150	90	60	30	30			fall-7	4
		PRACTICE	21								Spring-8	
		THESIS	9								Spring-8	
		TOTAL	240									

III. DURATION of TRAINING

Academic year	Theoretical training	Exam	PRACTICE	YDA	VACATION
I	30	10			1 0
II	30	10			1 2
III	30	10			12
IV	15	5	14	6	4
Total	105	35	14	6	3 8

	First semester	Second semester	Third semester	4th semester	Fifth semester	6th semester	Seventh semester	8th semester
Weekly course load	22	23	22	23	23	22	23	
Number of exams	6	5	6	6	6	6	6	
Number of credits	30	30	30	30	30	30	30	30

Organization and management of education

Head of the center: Resolution of the Scientific Council of the State University of Science and Technology "_____ " dated 2023

_____ approved at the meeting of Ph.D., P.Akhundov (Minutes No.

"_____ " _____ 2023