"APPROVED"

FORM №1

UNEC

rector____prof. A.J.Muradov

(signature) " _____ 20___ year "

AZERBAIJAN STATE UNIVERSITY OF ECONOMICS (UNEC)

EDUCATION PLAN

Code and name of the specialty: 050509 - Computer sciences

(for undergraduate level) Study period 4 years (8 semesters)

I. SCHEDULE OF EDUCATIONAL PROCESS

		Septer	nber		29 IX 5 X	0	october	27 X 2 X	/ 	Novei	mber	r	De	cemb	er	29 XII 4 I	J	anua	ry	26 I 1 II	Fe	brua	ry	23 II 1 III		Mar	ch	3 I I I	30 11 5 V	Ар	ril	27 IV 3 V		Ma	ay		J	lune		29 VI 5 VII		July	,	27 VII 2 VIII		Au	gust	
	1 7	8 14	15 21	22 28		6 12	13 20 19 26)	3	10 16	17 23	24 30	1 7	8 15 4 21	5 22 1 28		5 11	12 18	19 25		2 8	9 15	16 22		2 8	9 15	16 2 22 2	23 29	1	6 1 2 1	3 20 9 26		4 10	11 17	18 2 24 3	25	1 8 7 14	15 1 21	22 28		6 12	13 19	20 26		3	10 16	17 23	24 30
1	-	-						-		10						::	::	::	::	::	=	=			-			-	-		-	1	10			:	:: ::	::	::	::	=	=	=	=	=	=	=	=
2	=	=														::	::	::	::	::	=	=														:	:: ::	:::	::	::	=	=	=	=	=	=	=	=
3	=	=														::	::	::	::	::	=	=														:	:: ::	:::	::	::	=	=	=	=	=	=	=	=
4	=	=														::	::	::	::	::	=	=	Χ	X	X	X	X	X	X	XX	X	X	X	X	X	# ;	# #	#	#	#								

SYMBOLS:

THEORETICA L TRAINING

EXAM SESSION

PRACTICE

X

FINAL STATE ATTESTATION

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VACATION



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II. PLAN OF EDUCATIONAL PROCESS

								Including		Prerequisite (first	Requisite code of	Semest	
Nē	Code of the subject	Name of the subject	Number of credits	Total hours	Hours outside the audience	Hours of audience	Lecture	Seminar training	Laborat ory	training is necessary) code of the subject	(subject considere d) parallel training	intende d for teachin g the subject (fall or spring)	Weekly workloa d
	Total		240	6990	4770	2220	1050	1155	15				
	Genera	al subjects	30	900	465	435	90	345	0				
1	00004	Business and academic communication in Azerbaijani language	4	120	60	60		60				S-1	4
2	00005	History of Azerbaijan	5	150	90	60	30	30				F–1	4
3	00052	Business and academic communication in a foreign language-1	4	120	60	60		60				F –1	4
4	00073	Business and academic communication in a foreign language-2	3	90	45	45		45		00052		S-1	3
5	00932	Business and academic communication in a foreign language-3	4	120	60	60		60		00073		F-2	4
6	00933	Business and academic communication in a foreign language-4	4	120	60	60		60		00932		S-2	4
	Electiv	ve subjects (on general	6	180	90	90	60	30	0				
	subjec	its)		100				20	· · ·				
7	00341 00830 00149 00574 00317 00632	Philosophy Sociology Fundamentals of law and Constitution of AR Logic Ethics and aesthetics Introduction to Multiculturalism	3	90	45	45	30	15				F-3	3
8	00402 00404 00758 00671	Information technologies Information management Entrepreneurship Basics and Introduction to Business Political science	3	90	45	45	30	15				8–2	3

	Specia	lization subjects	120	3600	2340	1260	690	555	15			
9	00041	Mathematical analysis-1	6	180	120	60	30	30			F-1	4
10	00107	Mathematical analysis-2	6	180	120	60	30	30		00041	S-1	4
11	00476	Comprehensive analysis	4	120	75	45	30	15			F-2	3
12	00002	Analytic geometry Linear algebra	4	120	75	45	30	15			F-1 S-1	3
14	00235	Discrete mathematics	6	120	120	60	30	30			S-2	4
15	00231	Differential equations	6	180	120	60	30	30			S-2	4
16	00070	Probability theory and		120	60	60	30	30			F–2	4
17	00253	mathematical statistics	4	270	210	60	30	30			Г 3	1
17	00255	Optimization techniques	5	150	<u> </u>	60	30	30			<u>F-3</u>	4
10	00027	Fundamentals of programming-		180	120	60	30	30			F-1	4
19	00037	1	6									
20	00096	Fundamentals of programming-	8	240	180	60	30	30		00037	S-1	4
21	00126	Algorithm analysis and		240	180	60	30	30			F-2	4
21	00136	preparation methods	8									
22	00677	Programming technologies	5	150	<u>90</u>	<u>60</u>	30	30			F-3	4
23	00918	Database Computer architecture	0 5	150	105	45	30	15			S-2 F_1	3
25	00030	Computer networks	6	130	105	60	30	30			P-3	4
26	00930	Web technologies	4	120	60	60	30	30			S-3	4
27	00659	Parallel and distributed		120	60	60	30	30			F-4	4
20	00040	computing	4	100	75	45	20	15			T 4	2
<u>28</u> 29	00849	Artificial Intelligence Operating systems	4	120	75 90	45 60	30	15 30			r-4 S-1	3 4
30	00346	Physics	3	90	45	45	30	50	15		F-2	3
31	00034	Civil defense	3	90	45	45	30	15			F-4	3
	Electiv	re subjects (Subjects on	60	1590	1065	525	270	255	0			
	special	ty)	7	210	150	(0)	20	20			E 2	4
	00896	1. Introduction to technology, society and culture	/	210	150	00	- 50	- 50			F -2	4
32	00732	2. Digital electronics										
	00070	3. Programming languages and										
		compilers		100	100	(0)	20	20			G 2	
	00648	1. Design of object-oriented	0	180	120	60	- 30	- 30			8-2	4
22	00427	2. Introduction to human-										
33	00492	computer interface design										
		3. Principles of computer										
		systems	3	00	15	45	30	15			F_3	3
	00188	bioinformatics	3	70			50	15			r-5	5
34	00128	2. Academic and engineering										
34	00105	ethics										
		3. Presentation of knowledge										
	00493	1. Computer security	4	120	60	60	30	30			F-3	4
	00596	2. Mobile processing										
35	00770	3. Network security										
	00399	4. Access to information										
			7	210	150	60	30	30			S-3	4
	00351	1. Advanced Web development										
36	00868	2. Sale programming 3. Machine learning and neural										
1	00541	networks										
		1 Detabase and extended data	6	180	120	60	30	30			S_3	4
	00921	processing methods	U	100	120	00	50	50			0.0	
37	00045	2. Design and visualization of										
	00-100	neural networks										
	00512	5. Computer graphics	6	180	120	60	30	30			F. 4	4
38	00153	2. Automation, logic. and games	U	100	120	00	50	50			T	7
	00801	3. System simulation										
	00208	1.Cloud technologies	6	180	120	60	30	30			F –4	4
39	00926	2. Virtual reality										
1	00313	5. Internet of things										
<u> </u>	00508	1. Cryptography	8	240	180	60	30	30			S–3	4
40	00280	2. E-commerce										
40	00494	3. Social effects of computer										
	00600	technology 1 Mobile and songer systems	7	210	150	60	20	20			E 4	1
41	00929	2. Visualization	/	210	130	UU	30	30			E	-
	00752	3. Robotics										
		Practice	30	900	900							
42	00862	Practice	30	900	900						S-4	0

III. TIME ALLOTTED FOR TRAINING

Academic year		Credi	its	Theoretica (we	ll training ek)	Exam sess	ion (week)	Practic	e (week)	Final attest	ation (week)	Vaca	ation
т	F-1	60	30	30	15	10	5					12	2
1	S-1	00	30	30	15	10	5					12	10
п	F – 2	60	30	30	15	10	5					12	2
	S-2	00	30	50	15	10	5					12	10
ш	F – 3	60	30	20	15	10	5					12	2
111	S-3	00	30	30	15	10	5					12	10
IV/	$\mathbf{F}-4$	30 + 21x + 0//	30	15	15	5	5	14		6		2	2
IV	S-4	$30 + 21^{-} + 9^{-}$	21 ^x + 9 ^{//}	15		5		14	14	0	6	2	
Total:	Total: $210 + 21^x + 9'' = 240$		105		35		1	4		6	3	8	

	PRACTICE	Week	Credits	Semester
1	Industrial practice	14	21	S – 4

One week for internship period is 1,5 credits.

	FINAL ATTESTATION	Week	Credits	Semester
1	Final state attestation	6	9	S – 4

IS PRESENTED BY:

Associate vice-rector for education:	Assist. Prof. G.C. Musayev,
Director of the Center for Teaching Methodology and Quality Assurance	Assist. Prof. E.H. Azadov
Head of the "Digital technologies and applied informatics" department	Acad. A.M. Abbasov
Dean of the "Digital economy" faculty	Assist. Prof. E.N. Jafarov