

“APPROVED”

AZERBAIJAN STATE UNIVERSITY OF ECONOMICS  
(UNEC)

FORM №1

Rector of UNEC

prof. A.J.Muradov  
(signature)

Name and code of specialty:

“ \_\_\_ ” \_\_\_\_\_ 20\_\_ year

# EDUCATIONAL PLAN

**050616 – Information technologies**

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

## I. SCHEDULE OF EDUCATIONAL PROCESS

	September				October				November				December				January				February				March				April				May				June				July				August							
	IX 5 X				X 2 XI				XI 1 II				XII 4 I				I 1 II				II 1 III				III 5 IV				IV 3 V				V 5 VI				VI 2 VII				VII 2 VIII											
	1	8	15	22	6	13	20	27	3	10	17	24	1	8	15	22	5	12	19	26	2	9	16	23	2	9	16	23	6	13	20	27	4	11	18	25	1	8	15	22	6	13	20	27	3	10	17	24				
1	-	-	T	T	T	T	T	T	T	T	T	T	T	T	T	T	::	::	::	::	=	=	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	::	::	::	::	=	=	=	=	=	=	=	=
2	=	=	T	T	T	T	T	T	T	T	T	T	T	T	T	T	::	::	::	::	=	=	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	::	::	::	::	=	=	=	=	=	=	=	=
3	=	=	T	T	T	T	T	T	T	T	T	T	T	T	T	T	::	::	::	::	=	=	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	::	::	::	::	=	=	=	=	=	=	=	=
4	=	=	T	T	T	T	T	T	T	T	T	T	T	T	T	T	::	::	::	::	=	=	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	::	::	::	::	=	=	=	=	=	=	=	=

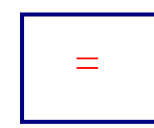
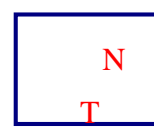
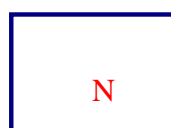
SYMBOLS:

THEORETICAL TRAINING

EXAM SESSION

PRACTICE

VACATION



## II. PLAN OF EDUCATIONAL PROCESS

№	Code of the subjects	Name of the subjects	Number of credits	Total hours	Hours outside the audience	Audience hours	Including			Prerequisite First of all, code of necessary subjects	Requisite Code of subjects considered parallel teaching	Semester when subject is teaching (fall or summer)	Weekly workload
							Lecture	Seminar Training	Laboratory				
<b>Total</b>			<b>240</b>	<b>7200</b>	<b>4995</b>	<b>2205</b>	<b>1120</b>	<b>1170</b>	<b>15</b>				
<b>General subjects</b>			<b>30</b>	<b>900</b>	<b>465</b>	<b>435</b>	<b>90</b>	<b>345</b>	<b>0</b>				
1	00004	Business and academic communication in Azerbaijani language	4	120	60	60		60			F-1	4	
2	00005	History of Azerbaijan	5	150	90	60	30	30			S-1	4	
3	00058	Business and academic communication in a foreign language-1	4	120	30	90		90			F-1	6	
4	00122	Business and academic communication in a foreign language-2	3	90	15	75		75		00058	S-1	5	
5	00760	Business and academic communication in a foreign language-3	4	120	30	90		90		00122	F-2	6	
6	00934	Business and academic communication in a foreign language-4	4	120	30	90		90		00760	S-2	6	
<b>Selective subjects (on general subjects)</b>			<b>6</b>	<b>180</b>	<b>90</b>	<b>90</b>	<b>60</b>	<b>30</b>					

	00341 00830 00149  00574 00316 00632	1.Philosophy 2.Sociology 3. Fundamentals of law and Constitution of AR 4. Logic 5. Ethics and aesthetics 6. Basics of multiculturalism	3	90	45	45	30	15				F-4	3
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8	00402 00404 00758  00671	1.Information technologies 2.Information management 3. Fundamentals of entrepreneurship and introduction to business activity 4.Political science	3	90	45	45	30	15				S-2	3
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	<b>Specialty subjects</b>		<b>120</b>	<b>3600</b>	<b>2430</b>	<b>1170</b>	<b>630</b>	<b>525</b>	<b>15</b>				
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9	00054	Linear algebra and analytic geometry	3	90	45	45	30	15				F-1	3
10	00105	Differential analysis	7	210	150	60	30	30				S-1	4
11	00230	Differential equations	3	90	45	45	30	15				S-2	3
12	00234	Discrete mathematics	3	90	45	45	30	15				F-3	3
13	00072	Probability theory and mathematical statistics	3	90	45	45	30	15				S-1	3
14	00010	Physics	5	150	105	45	30		15			F-1	3
15	00018	Principles of information technologies	8	240	180	60	30	30				F-1	4
16	00035	Principles of programming	6	180	120	60	30	30				F-1	4
17	00092	Modern programming languages	6	180	120	60	30	30				S-1	4
18	00089	Architecture of computer	8	240	180	60	30	30				S-1	4
19	00924	Data structure and algorithm	7	210	150	60	30	30				F-2	4
20	00919	Database systems	7	210	150	60	30	30				S-2	4
21	00303	Operational systems	6	180	120	60	30	30				F-2	4
22	00634	Multimedia technologies	6	180	120	60	30	30				F-3	4
23	00396	Information technologies	6	180	120	60	30	30				S-3	4
24	00426	Human – computer interface	7	210	150	60	30	30				F-3	4
25	00490	Computer network interface Computer networks	8	240	180	60	30	30				F-2	4
26	00850	Artificial intelligence	6	180	120	60	30	30				S-3	4
27	00914	Web systems and technologies	7	210	150	60	30	30				S-3	4
27	00461	IT Project Management	5	150	90	60	30	30				F-4	4
29	00034	Civil defense	3	90	45	45	30	15				S-1	3

	<b>Elective subjects (on specialty subjects)</b>		<b>60</b>	<b>1800</b>	<b>1200</b>	<b>600</b>	<b>300</b>	<b>300</b>	<b>0</b>				
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30	00457 00475  00678  00135	1.User interface design 2. Compilers and interpreters 3.Programming and solution of the problems 4.Algorithm analysis and manners of preparation	6	180	120	60	30	30				S-2	4
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31	00196 00393  00395	1. Business information systems 2.Use of information systems 3. Strategic management of information systems	5	150	90	60	30	30				F-3	4
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32	00868 00675 00647	1.Secure programming 2.Software quality and testing 3.Object oriented programming	7	210	150	60	30	30				S-2	4
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33	00615 00658 00674	1. Use of mobile contacts for enterprise 2.Parallel programming 3. Small business for professions	6	180	120	60	30	30				S-3	4
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34	00735 00739 00737	1.Digital economy 2.Digital communication 3.Digital cartography and geographical information systems	6	180	120	60	30	30				F-3	4
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35	00540 00925 00740	1.Machine training 2.Data secure and its protection 3.Digital criminalistics	5	150	90	60	30	30				S-3	4
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36	00199 00913  00791	1.Computing applications in business 2. Introduction to Website 3.Wireless networks	6	180	120	60	30	30				F-4	4
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37	00922 00208 00801 00762	1. Data science: principles and practice 2. Cloud technologies 3. System simulation 4. Engineering network	6	180	120	60	30	30				F-4	4
38	00874 00597 00945	1. Telecommunication network and systems 2. Mobile robot systems 3. Wireless networks and services	7	210	150	60	30	30				F-4	4
39	00926 00124 00313	1. Virtual reality 2. 3D graphics and animation 3. Internet of objects	6	180	120	60	30	30				F-4	4
		<b>Practice</b>	<b>30</b>	<b>900</b>	<b>900</b>								
40	00862	Practice	30	900	900							S-4	0

### III. TIME ALLOTTED FOR TRAINING

Academic year		Credits		Theoretical training (Week)		Exam session (week)		Practice (week)		Final attestation (week)		Vacation	
I	F-1	60	30	30	15	10	5					12	2
	S-1		30										15
II	F-2	60	30	30	15	10	5					12	2
	S-2		30										15
III	S-3	60	30	30	15	10	5					12	2
	S-3		30										15
IV	F-4	30 + 30 <sup>T</sup>	30	15	15	5	5	20				2	2
	S-4		30 <sup>T</sup>										
<b>Total:</b>		<b>210 + 30<sup>T</sup> = 240</b>		<b>105</b>		<b>35</b>		<b>20</b>				<b>38</b>	

PRACTICE		Week	Credit	Semester
1	Industrial practice	15	30	S-4

IS PRESENTED BY:

Associate vice-rector for education:

Director of the Center for Teaching Methodology and Quality Assurance

Head of the "Digital technologies and applied informatics" department

Dean of the "Digital economy" faculty

Assist.prof. G.C. Musayev

Assist.prof. E.H. Azadov

Acad. A.M. Abbasov

Assist.prof. E.N. Jafarov