"APPROVED"

FORM №1

Rector of UNEC

AZERBAIJAN STATE UNIVERSITY OF ECONOMICS (UNEC)

prof. A.J.Muradov

(signature)

"___" _____ 20__ year

Name and code of specialty:

EDUCATIONAL PLAN

050607 - Electrical and electrionics engineering

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

SCHEDULE OF THE EDUCATIONAL PROCESS

	September	29 IX 5 X	October	27 X 2 XI	November	December	29 XII 4 I	January	26 I 1 II	February	23 II 1 III	March	30 III 5 IV	April	27 IV 3 V	May	June	29 VI 5 VII	July	27 VII 2 VIII	August
	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	3 9	10 16	17 23	24 30
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2	=	=	T	T	T T	T T	T T	T	T T	T T	T T	T	T	T T	N 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	T T	T T	T T	T T	T T	T T	T	::	::	::	::	::	=	=	=	=	=	=	=	=
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SYMBOLS: **THEORETCAL TRAINING** [ ] **EXAM SESSION** : : **TRAINING AND PRACTICE** X **FINAL STATE CERTIFICATION** // **VACATION** =

I. 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				
	Total		**240**	**7200**	**4890**	**2310**	**1020**	**840**	450				
	General subjects		**30**	**900**	**465**	**435**	**90**	**345**	0				
1	00004	Business and academic communication in Azerbaijani language	4	120	60	60		60				S–2	4
2	00005	History of Azerbaijan	5	150	90	60	30	30				S–1	4
3	00052	Business and academic communication in a foreign language-1	4	120	60	60		60				F–1	6
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
7													
	Elective subjects (on general subjects)		**6**	**180**	**90**	**90**	**60**	**30**	0				
8	00341 00830 00149 00574 00317 00632	1.Philosophy 2.Sociology 3.Fundamentals of law and Constitution of AR 4.Logic 5.Ethics and aesthetics 6.Introduction to multiculturalism	3	90	45	45	30	15				F–2	3

No	Code	Subject	Cr	Total							Sem	
9	00402 00404 00758 00671	1. Infomation technologies (by major) 2.Information management 3. Fundamentals of entrepreneurship and introduction to business 4.Political science	3	90	45	45	30	15			F–3	3
		Specialty subjects	**120**	**3600**	**2355**	**1245**	**630**	**345**	**270**			
10	00055	Linear algebra and analytic geometry	4	120	75	45	30	15			S–1	3
11	00040	Mathematical analysis	8	240	180	60	30	30			F–1	4
12	00891	Applied mathematics	4	120	75	45	30	15			F–2	3
13	00015	Fundamentals of physics	6	180	105	75	30		45		F–1	5
14	00121	Applied physics	6	180	120	60	30		30		S–1	4
15	00027	Chemistry	6	180	105	75	30		45		F–1	5
16	00285	Electric Circuits Theory I	7	210	150	60	30	15	15		F–2	4
17	00284	Electric Circuits Theory II	5	150	90	60	30	15	15	00285	S–2	4
18	00093	Engineering mechanics	6	180	120	60	30	30			S–1	4
19	00094	Engineering and computer graphics	6	180	120	60	30	30			S–1	4
20	00291	Electrical measurements and instruments	6	180	120	60	30	15	15		F–2	4
21	00289	Electrical machines	6	180	105	75	30	15	30		S–3	5
22	00144	Analog electronics	6	180	120	60	30	15	15		S–2	4
23	00292	Materials of electrical and electronic technique	6	180	120	60	30	15	15		F–2	4
24	00733	Digital electronics and programmable integrated circuits	6	180	120	60	30	15	15		F–3	4
25	00380	Management theory	6	180	120	60	30	30			S–3	4
26	00029	Computer technologies and programming	6	180	120	60	30	30			F–1	4
27	00360	Power electronics and power transmission	5	150	90	60	30	15	15		S–3	4
28	00793	Signals and systems	6	180	120	60	30	15	15		F–3	4
29	00757	Fundamentals of field technology	6	180	135	45	30	15			S–2	3
30	00034	Civil defense	3	90	45	45	30	15			F–3	3
		Elective subjects (in specialty subjects)	**60**	**1800**	**1170**	**630**	**300**	**195**	**135**			
31	00592 00488 00303 00496	1.Microprocessor technology 2.Computer networks 3.Operating systems 4.Architecture of computer systems	6	180	120	60	30	30			F–3	4
32	00146 00288 00589	1.Antenna, radiolocation links 2.Methods of wireless transmission of electrical 3.Microwave technique	6	180	120	60	30	15	15		F–3	4
33	00638 00187 00587	1.Fundamentals of nano electricity 2. Fundamentals of bioelectronics 3. Materials of micro- and nanoelectronics	6	180	120	60	30	15	15		F–4	4
34	00296 00361 00290	1.Designing electronic devices 2.Power cables and cable lines 3.Designing electrical machines	6	180	120	60	30	15	15		S–3	4
35	00942 00409 00753 00151	1.Semiconductor devices and modeling 2.Infrared devices and systems 3.Introduction to robotics 4.Automated electrotechnical devices	7	210	135	75	30	30	15		S–3	5
36	00387 00785 00853	1.Superconducting integrated circuits 2.Sensor systems 3.Basics of schematic engineering	6	180	120	60	30	15	15		F–4	4
37	00778 00298 00297 00362	1.Industrial electronic devices 2. Protection of electronic devices and electrical equipment 3.Exploitation , diagnostics and reparation of of electronic devices and electrical equipment 4.Protection of power systems	6	180	105	75	30	15	30		F–4	5
38	00286 00287 00166 00951	1. Electricity and transformations 2. Generation, transmission and distribution of electricity 3.Renewable energy sources and its use 4.High voltage technique	5	150	105	45	30	15			S–2	3

39	00794 00850 00805	1.Digital signal processing 2.Artificial intelligence 3.SMART systems	6	180	120	60	30	30				F–4	4
40	00511 00408 00653 00651	1.Quantum electronics and optoelecronics 2.Optoelectronic means of information transmission and processing 3.Optoelectronic devices 4.Optical communication systems	6	180	105	75	30	15	30			F–4	5
		Internship and graduate work	**30**	**900**	**900**								
41	00861	**Internship**	**21**	**630**	**630**							S–4	0
42	00210	**Graduate work**	**9**	**270**	**270**							S–4	0

III. TIME ALLOTTED FOR TRAINING

Academic year		Credit		Theoretical training (week)		Exam session (Week)		Experience (week)		Final attestation (week)		Holiday	
I	F – 1	60	30	30	15	10	5					12	2
	S – 1		30		15		5						10
II	F – 2	60	30	30	15	10	5					12	2
	F – 2		30		15		5						10
III	F – 3	60	30	30	15	10	5					12	2
	S – 3		30		15		5						10
IV	F – 4	$30 + 21^x + 9^{//}$	30	15	15	5	5	14		6		2	2
	S – 4		$21^x + 9^{//}$						14		6		
Total:		$210 + 21^x + 9^{//} = 240$		105		35		14		6		38	

	Practice	Week	Credit	Semester
1	**Industrial experience**	**14**	**21**	**S– 4**

One week of the internship period is 1,5 credits.

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

IS PRESENTED BY:

Vice rector for teaching and training technologies   Assist.prof. G.C. Musayev

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