MINISTRY OF EDUCATION OF THE REPUBLIC OF AZERBAIJAN

FORM 1

____________NAKHCHIVAN STATE UNIVERSITY____________

I confirm:
Rector of Nakhchivan State University,
E. Isayev

“___” “____________” 2023 year

Code and name of specialization (specialization):
050620 – Computer engineering specialty
Study period 4 years (8 semesters) Full-time – 240 credits

Curriculum

(for undergraduate level)

I GRAPHIC OF THE EDUCATIONAL PROCESS

Academic years	September 1 7	September 8 14	September 15 21	September 22 28	29.IX - 5.X	October 6 12	October 13 19	October 20 26	27.X - 2.XI	November 3 9	November 10 16	November 17 23	November 24 30	December 1 7	December 8 14	December 15 21	December 22 28
I	.	.															
II	=	=															
III	=	=															
IV	=	=															

Academic years	29.XII- 4.I	January 5 11	January 12 18	January 19 25	26.I- 1.II	February 2 8	February 9 15	February 16 22	23. II- 1.III	March 2 8	March 9 15	March 16 22	March 23 29	30.III - 5.IV	April 6 12	April 13 19	April 20 26	27.IV - 3.V
I	::	::	::	::	::	=	=											
II	::	::	::	::	::	=	=											
III	::	::	::	::	::	=	=											
IV	::	::	::	::	::	=	=	X	X	X	X	X	X	X	X	X	X	X

Academic years	May 4 10	May 11 17	May 18 24	May 25 31	June 1 7	June 8 14	June 15 21	June 22 28	29.VI - 5.VII	July 6 12	July 13 19	July 20 26	27. -1.VIII	August 2 8	August 9 15	August 16 22	August 23 31
I					::	::	::	::	::	=	=	=	=	=	=	=	=
II					::	::	::	::	::	=	=	=	=	=	=	=	=
III					::	::	::	::	::	=	=	=	=	=	=	=	=
IV	X	X	X	X	X	X	X	X	X								

Courses	Theoretical training	Works practice	industrial experience	Holiday	Before the state exam	sum
I	30	10		10		50
II	30	10		12		52
III	30	10		12		52
IV	15	5	20	4		44
Cəm	105	35	20	38		198

CONVENTIONAL MARKS:

THEORETICAL TRAINING	EXAMINATION SESSION	PRACTICE	FINAL STATE CERTIFICATION	HOLIDAY
	::	X	//	=

II. PLAN OF THE EDUCATIONAL PROCESS

Row №	Password of the subject	Name of subjects	Credit number	Total hours	Hours outside the auditorium	Auditorium hours	Including			Code of prerequisite subjects	Code of co-requisite (parallel teaching) subjects	Semester in which the subject is taught (fall or spring)	Weekly course load
							Lecture	Seminar exercise	Laboratory				
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	GS-00	**General subjects**	**30**	**900**	**544**	**356**	**94**	**262**					
1	GS -01	History of Azerbaijan	5	150	82	68	34	34				Spring I	4
2	GS -02	Business and academic communication in the Azerbaijani language	4	120	74	46	24	22				Spring I	3
3	GS -03-01	Business and academic communication in a foreign language (English, German, French, Russian) 01	7	210	128	82	-	82				Autumn -I	5
	GS -03-02	Business and academic communication in a foreign language (English, German, French, Russian) 02	8	240	148	92	-	92		GS-03-01		Spring -I	6
4	GSES-04-00	**Selective subjects**											
4.1	GSES -04-01	a) Introduction to multiculturalism b) Philosophy c)Sociology d) Constitution of the Republic of Azerbaijan and fundamentals of law e) Logic f) Ethics and aesthetics	3	90	56	34	18	16				Autumn II	2
4.2	GSES -04-02	a) Information management b) Information technologies (specialization) c) Fundamentals of entrepreneurship and introduction to business d) Political science	3	90	56	34	18	16				Spring I	2
	SS-00	**Specialization subjects**	**120**	**3600**	**2216**	**1384**	**706**	**604**	**74**				
1	SS-01	Linear algebra and analytic geometry	3	90	56	34	18	16				Autumn -I	2
2	SS-02	Mathematical analysis	7	210	128	82	42	40				Autumn -I	5
3	SS-03	Differential equations	3	90	56	34	18	16				Autumn II	2
4	SS-04	Discrete mathematics	3	90	56	34	18	16				Spring II	2
5	SS-05	Probability theory and mathematical statistics	3	90	56	34	18	16				Autumn III	2
6	SS-06	Physics	5	150	92	58	30		28			Autumn II	4

7	SS-07	Fundamentals of computer engineering	8	240	148	92	46	46				Autumn -I	6
8	SS-08	Fundamentals of programming	8	240	148	92	46		46			Autumn II	6
9	SS-09	Data structure and algorithms	6	180	112	68	34	34				Spring II	4
10	SS-10	Database systems	7	210	128	82	42	40				Autumn III	5
11	SS-11	Operating systems	8	240	148	92	46	46				Autumn II	6
12	SS-12	Computer networks	8	240	148	92	46	46				Spring III (coursework)	6
13	SS-13-01	Computer architecture 01	5	150	92	58	30	28				Autumn -I	4
	SS-13-02	Computer architecture 02	3	90	56	34	18	16		SS-13-01		Spring I (coursework)	2
14	SS-14	Theory of periods	7	210	128	82	42	40				Autumn III	5
15	SS-15	Basics of electronics	6	180	112	68	34	34				Spring II	4
16	SS-16	Digital systems	7	210	128	82	42	40				Spring II	5
17	SS-17	Security of computer systems	8	240	148	92	46	46				Spring III	6
18	SS-18	Computer graphic	5	150	92	58	30	28				Autumn III	4
19	SS-19	Computer modeling	7	210	128	82	42	40				Autumn IV	5
20	SS-20	Civil defense	3	90	56	34	18	16				Spring II	2
	SDHE-00	**Subjects determined by the institution of higher education**	**60**	**1800**	**1112**	**688**	**352**	**336**					
1	SDHE--01	a) Computer service programs b) Internet technologies	7	210	128	82	42	40				Spring I	5
2	SDHE--02	a) Applied programs b) Computer graphics	4	120	74	46	24	22				Autumn III	3
3	SDHE--03	a) Fuzzy logic theory b) Measuring technique	3	90	56	34	18	16				Spring III	2
4	SDHE--04	a) Fundamentals of robotics b) Telecommunications	5	150	92	58	30	28				Spring II	4
5	SDHE--05	a) Internet technologies b) Cables	5	150	92	58	30	28				Autumn IV	4
6	SDHE--06	a) MS Office b) Fundamentals of optoelectronics	3	90	56	34	18	16				Autumn II	2
7	SDHE--07	a) Web programming b) Technical informatics	4	120	74	46	24	22				Autumn III	3
8	SDHE--08	a) System engineering b) Intellectual analysis of data	6	180	112	68	34	34				Spring III	4
9	SDHE--09	a) Artificial intelligence b) Radio engineering	5	150	92	58	30	28				Spring III	4
10	SDHE--10	a) Corporate information systems	6	180	112	68	34	34				Autumn IV	4

		b) Cyber security											
11	SDHE--11	a) Basics of optical communication b) Cryptography	6	180	112	68	34	34				Autumn IV	4
12	SDHE--12	a) Cloud technology and virtualization b) Legal and organizational guarantee of information security	6	180	112	68	34	34				Autumn IV	4
		Total	**210**	**6300**	**3872**	**2428**	**1152**	**1202**	**74**				
1		Practice	30									Spring IV	
		Total sum	**240**										

The duration of the internship is 1.5 credits

III TRAINING INFORMATION

Academic year	Theoretical training	Exam session	Practice	The final state certification	Holiday
I	30 weeks	10 weeks			10 weeks
II	30 weeks	10 weeks			12 weeks
III	30 weeks	10 weeks			12 weeks
IV	15 weeks	5 weeks	20 weeks (30 credits)		4 weeks
Total:	105 weeks	35 weeks	20 weeks (30 credits)		38 weeks

Offers:

Vice-rector for education and training: **R. Rahimov**

Dean of the Faculty of Architecture and Engineering: **J. Zeynalov**

Head of the Chair Electronics and information technologies: **J. Zeynalov**