



## Specialization: 050616 – Information technologies (2020/2021)

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No	Name of subject	Credit	Semester	Clock
1.	Business and academic communication in a foreign language - 1	5	1	/75
2.	Azerbaijan History	5	1	45/15
3.	Business communication (in Azerbaijani)	4	1	30/30
4.	Linear algebra and analyst geometry	3	1	15/30
5.	Mathematical analysis	7	1	60/30
6.	Information the basics of technologies -1	3	1	30/15
7.	Electives: - Application of information technologies by specialty - Information management	3	1	30/15
	<b>Total</b>	<b>30 credits</b>		
8.	Business communication (in English) - 2	5	2	/75
9.	Physics	5	2	45/30
10.	Differential equations	3	2	30/15
11.	Fundamentals of programming	6	2	45/30
12.	Information the basics of technologies -2	5	2	30/30
13.	Electives: - Instrumental and applied programs - Mathematical logic	3	2	30/15
14.	Civil defense	3	2	45/
	<b>Total</b>	<b>30 credits</b>		
15.	Probability theory and statistics	3	3	30/15
16.	Selection subject: - System programming - Distributed systems - Geographical information systems	4	3	30/30
17.	Data base systems -1	4	3	30/30
18.	Computer architecture -1	4	3	30/30
19.	Web systems and technologies	7	3	60/30
20.	Business communication (in English) - 3	5	3	/75
21.	Electives: - Multiculturalism - Sociology	3	3	30/15
	<b>Total</b>	<b>30 credits</b>		
22.	Electives: - Business technical English - Russian language	3	4	/45
23.	Electives: - The object is directional programming – 1 - Engineer graphics -1	3	4	30/15
24.	Data base systems -2	3	4	30/15
25.	Computer networks -1	4	4	30/30
26.	Computer architecture -2	4	4	30/30

27.	Electives: - Data science - Informatics and environmental of processes computer analysis	4	4	30/30
28.	Modern programming languages	6	4	45/30
29.	Discrete mathematics	3	4	30/15
	<i>Total</i>	<i>30 credits</i>		
30.	Selection subject: - Electronics the basics - Simulation of systems	5	5	45/30
31.	Operation systems -1	3	5	30/15
32.	Computer networks-2	4	5	30/30
33.	Artificial intellect	6	5	45/30
34.	Optional subject - Computer graphic - Systems engineering	5	5	45/30
35.	Electives: - Web programming - Robotics	4	5	30/30
36.	Electives: - The object is directional programming – 2 - Engineer graphics -2	3	5	30/15
	<i>Total</i>	<i>30 credits</i>		
37.	Data structure and algorithms	7	6	45/45
38.	Operation systems -2	3	6	30/15
39.	Multimedia technologies	6	6	30/45
40.	Electives: - Modern elements of computer programming - Robotics	4	6	30/30
41.	Selection subject: - Operations research - corporative information systems	4	6	30/30
42.	Information safety	6	6	45/30
	<i>Total</i>	<i>30 credits</i>		
43.	Electives: - Applied programming - Digital economy	4	7	30/30
44.	Electives: - Information technologies in management - Mathematical logic	3	4	30/15
45.	IT project management	5	7	30/30
46.	Human-computer interface	7	7	60/30
47.	Selection subject: - Great voluminous of data intellectual analysis (Data Mining) - - The enterprise automated information systems	5	7	30/30
48.	Selection subject: - Web programming - 3D - modeling technologies	5	7	30/30

	- Communication tools			
49.	Electives: - Fuzzy logic and decision making - Basics of “soft – computing”.	4	7	30/30
	<i>Total</i>	<i>30 credits</i>		
50.	Practice	30	8	
	<i>Total</i>	<i>30 credits</i>		