

ODLAR YURDU UNIVERSITY**2024/2025 Academic Year****CURRICULUM SCHEDULE****Specialty: 050616 - Information Technologies**

No.	Subject Name	Credit	Semester	Total Hours	Weekly Classroom Hours
1.	Business and Academic Communication in a Foreign Language - 1	5	1	/60	4
2.	History of Azerbaijan	5	1	30/15	3
3.	Business and Academic Communication in Azerbaijani Language	4	1	/45	3
4.	Civil Defense	3	1	15/15	2
5.	Mathematical Analysis	7	1	30/30	4
6.	Fundamentals of Information Technologies - 1	3	1	30/15	3
7.	Elective Subject: * Application of Information Technologies in the Specialty * Information Management	3	1	30/15	3
	Total	30 credits			22
8.	Business and Academic Communication in a Foreign Language - 2	5	2	/60	4
9.	Physics	5	2	30/15	3
10.	Differential Equations	3	2	30/15	3
11.	Fundamentals of Programming	6	2	30/15	3
12.	Fundamentals of Information Technologies - 2	5	2	30/15	3
13.	Elective Subject: * Instrumental and Applied Programs * Distributed Systems * Social Networks and Websites	3	2	30/15	3

No.	Subject Name	Credit	Semester	Total Hours	Weekly Classroom Hours
14.	Linear Algebra and Analytical Geometry	3	2	15/30	3
	Total	30 credits			22
15.	Probability Theory and Mathematical Statistics	3	3	30/15	3
16.	Elective Subject: * Fundamentals of Cryptography * System Programming * Geographic Information Systems	4	3	30/15	3
17.	Database Systems	7	3	30/30	4
18.	Computer Architecture - 1	4	3	30/15	3
19.	Web Systems and Technologies	7	3	45/30	5
20.	Business and Academic Communication in a Foreign Language - 3	5	3	/60	4
	Total	30 credits			22
21.	Elective Subject: * Business Technical English * Russian Language	3	4	/30	2
22.	Elective Subject: * Multiculturalism * Health, Safety and Environmental Protection * Sociology	3	4	15/15	2
23.	Elective Subject: * Object-Oriented Programming * Engineering Graphics	7	4	30/30	4
24.	Computer Networks - 1	4	4	30/15	3
25.	Computer Architecture - 2	4	4	30/15	3
26.	Modern Programming Languages	6	4	30/30	4
27.	Discrete Mathematics	3	4	30/15	3
	Total	30 credits			22

No.	Subject Name	Credit	Semester	Total Hours	Weekly Classroom Hours
28.	Elective Subject: * Fundamentals of Cybersecurity * Fundamentals of Electronics * Systems Simulation	5	5	30/30	4
29.	Operating Systems - 1	3	5	30/15	3
30.	Computer Networks - 2	4	5	30/15	3
31.	Artificial Intelligence	6	5	30/30	4
32.	Elective Subject: * Computer Graphics * Systems Engineering	5	5	30/30	4
33.	Elective Subject: * Web Programming * Cryptographic Protocols * Computer Analysis of Informatics and Ecological Processes	7	5	30/30	4
	Total	30 credits			22
34.	Data Structures and Algorithms	7	6	30/30	4
35.	Operating Systems - 2	3	6	30/15	3
36.	Multimedia Technologies	6	6	15/45	4
37.	Elective Subject: * Modern Elements of Computer Programming * Robotics	4	6	30/15	3
38.	Elective Subject: * Network Security * Operations Research * Corporate Information Systems	4	6	30/30	4
39.	Information Security	6	6	30/30	4
	Total	30 credits			22
40.	Elective Subject: * Data Science * Applied Programming * Digital Economy	4	7	30/15	3
41.	Elective Subject: * Cloud Security * Information Technologies in Management * Mathematical Logic	3	7	30/15	3

No.	Subject Name	Credit	Semester	Total Hours	Weekly Classroom Hours
42.	IT Project Management	5	7	30/15	3
43.	Human-Computer Interface	7	7	45/30	5
44.	Elective Subject: * Intellectual Analysis of Big Data (Data Mining) * Automated Information Systems of the Enterprise	5	7	30/15	3
45.	Elective Subject: * Fuzzy Logic and Decision Making * Fundamentals of Soft Computing	6	7	45/30	5
	Total	30 credits			22
46.	Internship	30	8		
	Total	30 credits			