

ODLAR YURDU UNIVERSITY**2024/2025 Academic Year****CURRICULUM SCHEDULE****Specialty: 050620 - Computer Engineering**

No.	Subject Name	Credit	Semester	Total Hours	Weekly Classroom Load
1.	History of Azerbaijan	5	1	30/15	3
2.	Business and Academic Communication in a Foreign Language - 1	5	1	/60	4
3.	Business and Academic Communication in Azerbaijani Language	4	1	/45	3
4.	Civil Defense	3	2	30/	2
5.	Mathematical Analysis	7	1	30/30	4
6.	Fundamentals of Computer Engineering - 1	3	1	30/15	3
7.	Elective Subject: * Application of Information Technologies in Computer Engineering 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	30/30	4
10.	Differential Equations	3	2	30/15	3
11.	Fundamentals of Programming - 1	4	2	30/15	3
12.	Fundamentals of Computer Engineering - 2	5	2	30/15	3
13.	Elective Subject: * Instrumental and Applied Programs * Fundamentals of Information Security * Mathematical Logic	5	2	30/15	3

No.	Subject Name	Credit	Semester	Total Hours	Weekly Classroom Load
14.	Linear Algebra and Analytical Geometry	3	2	15/30	3
	Total	30 credits			22
15.	Probability Theory and Statistics	3	3	30/15	3
16.	Circuit Theory	7	3	30/30	4
17.	Database Systems	7	3	45/30	5
18.	Computer Architecture - 1	4	3	30/15	3
19.	Fundamentals of Programming - 2	4	3	30/15	3
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: * Object-Oriented Programming - 1 * Engineering Graphics - 1	5	4	30/30	4
23.	Elective Subject: * Multiculturalism * Health, Safety and Environmental Protection * Sociology	3	4	15/15	2
24.	Computer Networks - 1	4	4	30/15	3
25.	Computer Architecture - 2	4	4	30/15	3
26.	Elective Subject: * Modern Programming Languages * Fundamentals of Cryptography * Electronic Business	8	4	45/30	5
27.	Discrete Mathematics	3	4	30/15	3
	Total	30 credits			22

No.	Subject Name	Credit	Semester	Total Hours	Weekly Classroom Load
28.	Fundamentals of Electronics	6	5	30/30	4
29.	Operating Systems - 1	4	5	30/15	3
30.	Computer Networks - 2	4	5	30/15	3
31.	Computer Graphics	5	5	30/30	4
32.	Elective Subject: * Object-Oriented Programming - 2 * Engineering Graphics - 2	4	5	30/15	3
33.	Elective Subject: * Fundamentals of Cybersecurity * System Programming * Systems Simulation * Robotics	7	5	45/30	5
	Total	30 credits			22
34.	Data Structures and Algorithms	6	6	30/30	4
35.	Operating Systems - 2	4	6	30/15	3
36.	Elective Subject: * Network Security * Multimedia Technologies	5	6	30/30	4
37.	Digital Systems	7	6	45/30	5
38.	Computer Systems Security - 1	4	6	30/15	3
39.	Elective Subject: * Applied Programming * Control Systems	4	6	30/15	3
	Total	30 credits			22
40.	Elective Subject: * Cloud Security * Digital Economy	4	7	30/15	3
41.	Elective Subject: * Microprocessors * Internet Technologies	6	7	30/30	4
42.	Elective Subject: * Data Science * Operations Research	4	7	30/15	3

No.	Subject Name	Credit	Semester	Total Hours	Weekly Classroom Load
43.	Elective Subject: * Fuzzy Logic and Decision Making * Web Programming * Fundamentals of Soft Computing	5	7	30/30	4
44.	Computer Systems Security - 2	4	7	30/15	3
45.	Computer Modeling	7	7	45/30	5
	Total	30 credits			22
46.	Internship	30	8		
	Total	30 credits			