

Approved by Order No. 40 of the  
Ministry of Education of the  
Republic of Azerbaijan dated  
January 21, 2014

**050620 Computer Engineering( modular)**  
(Speciality code and title)

**ACADEMIC SCHEDULE**  
(For the Bachelor's degree)

Form 2

N	Subject code	Subject name	Credits number	Prerequisite (course code of subjects required to be taken)	Corequisite (course intended to be taken concurrently)	Intended semester of course (fall or spring)
<b>I academic year</b>						
1	ÜF-B02.01	Business and academic communication in a foreign language -1	7		-	fall-1
2	ÜF – B03	Business and academic communication in the Azerbaijani language	4		-	fall-1
3	İF-BO6	Physics	5		-	fall-1
4	İF-BO7	Fundamentals of Computer Engineering	8		-	fall-1
5	ÜF-B01	History of Azerbaijan	5			fall-1
6	ÜF-B02.02	Business and academic communication in a foreign language -2	8	ÜF-B02.01	-	spring-2
7	İF-BO1	Linear Algebra and Analytic Geometry	3		-	spring-2
8	İF-B13	Computer Architecture	8		-	spring-2
<b>II academic year</b>						
9	ÜFS-B04	<b>First block</b> 1. Philosophy 2. Introduction to Multiculturalism 3. Sociology 4. Constitution and Basics of Law of the Republic of Azerbaijan 5. Logic 6. Ethics and Aesthetics	3		-	fall-3
10	İF-BO2	Mathematical Analysis	7		-	fall-3
11	İF-BO5	Probability Theory and Mathematical Statistics	3		-	fall-3
12	İF-B20	Civil Defense	3		-	fall-3
13	ATMF-BO1	<b>I block</b> 1. Basics of Circuitry 2. System Analysis	4			fall-3
14	ATMF-BO2	<b>II block:</b> 1. Diagnostics of Computers 2. Decision-Making Systems	4		-	Spring-4
15	İF-BO8	Fundamentals of Programming	8		-	spring4
16	İF-B11	Operating Systems	8		-	spring-4

17	IF-B17	Computer Systems Security	8		-	spring-4
18					-	spring-4
<b>III academic year</b>						
19	IF-BO3	Differential Equations	3		-	fall-5
20	IF-BO4	Discrete Mathematics	3		-	fall-5
21	IF-BO9	Data Structures and Algorithms	6		-	fall-5
22	ATMF-BO4	<b>IV block:</b> 1. Algorithmization and Programming 2. System Simulation	4		-	fall-5
23	ATMF-BO5	<b>V block:</b> 1. Cybersecurity Measures 2. Communication Channels	4		-	fall-5
24	ATMF-BO6	<b>VI block:</b> 1. Information and Communication Systems 2. Human-Computer Interface (UI/UX)	4		-	fall-5
25	IF-B10	Database Systems	7		-	spring-6
26	IF-B12	Computer Networks	8		-	spring-6
27	ATMF-BO3	<b>III block:</b> 1. Programming Technologies 2. Application Software Package	5		-	spring-6
28	ATMF-B14	<b>XIV block:</b> 1. Internet Technologies 2. Industrial Production Management	4		-	spring-6
<b>IV academic year</b>						
29	IF-B14	Theory of Cycles	7		-	fall-7
30	IF-B15	Fundamentals of Electronics	6		-	fall--7
31	IF-B16	Digital Systems	7		-	fall--7
32	ATMF-BO9	<b>IX block:</b> 1. Web Programming 2. Design of Computer Systems	4		-	fall--7
33	ÜFS-B05	<b>Second block</b> 1. Information Technologies (by specialty) 2. Information Management 3. Political Science 4. Fundamentals of Entrepreneurship and Business Introduction	3		-	spring-8
34	IF-B19	Computer Modelling	7		-	Spring-8
35	ATMF-BO8	<b>VIII block:</b> 1. Engineering Mathematics 2. System Analysis	3		-	Spring-8
36	ATMF-B10	<b>X block:</b> 1. Development of Desktop Applications 2. Laser and Its Applications	5		-	Spring-8
37	ATMF-B12	<b>XII block:</b> 1. Data Analytics and Machine Learning 2. Object-Oriented Programming	6		-	Spring-8
<b>V academic year</b>						
38	IF-B18	Computer Graphics	5		-	fall-9
39	ATMF-BO7	<b>VII block:</b> 1. Mobile Programming 2. Materials Science	3		-	fall-9

40	ATMF-B11	<b>XI block:</b> 1. Modern Web Programming Tools 2. Cryptographic Algorithms in Computer Systems	4		-	fall-9
41	ATMF-B13	<b>XIII block:</b> 1. Robotics 2. Electrical Engineering	6		-	fall-9
42		<b>Practice</b>	30		-	<b>Spring-10</b>

**Approved:**

“ \_\_\_\_\_ ” head of department

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**Finalized:**

“ \_\_\_\_\_ ” dean of faculty

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**Director of the Center for Teaching Organization and Management:** \_\_\_\_\_ **Piri Akhundov**

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