MINISTRY OF EDUCATION OF THE REPUBLIC OF AZERBAIJAN

WESTERN CASPIAN UNIVERSITY

I confirm:_____
Western Caspian University

Code and name of the specialty:050616 Information technologies
.
(Part time)

Executive Vice-Rector R.H.Baghirov
"____" _____ 2024

Study Period: 5 years (10 semesters)

CURRICULUM
(for bachelor level)

I.   ACADEMIC SCHEDULE

courses	September					October				November				December				JANUARY					February				March					April				May				JUNE					JULY				August			
	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24
	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	1	8	15	22	29	8	15	22	29	5	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	31

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II	=	=											::	::	::	::	::	::	=	=																				::	::	::	::	::	=	=	=	=	=	=	=	=
III	=	=											::	::	::	::	::	::	=	=																				::	::	::	::	::	=	=	=	=	=	=	=	=
IV	=	=											::	::	::	::	::	::	=	=	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x								

Symbols :   THEORETICAL   TRAINING   INTERNSHIP   EXAMINATION SESSION   STATE FINAL CERTIFICATION   HOLIDAY

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II. Academic Teaching plan

№	Subject code	Subject name	Credit number	Total hours	Non curricular hours	Classroom hours	Lecture	Seminar	Laboratory	Prerequisite (first teaching necessary) code of subjects	Teaching the subject intended semester held (Fall or spring)	Weekly class load
1	2	3	4	5	6	7	8	9	10	11	12	13
	ÜF-B00	**GENERAL SUBJECTS**	**24**	**720**	**610**	**110**	**10**	**100**				
1	ÜF-B01	History of Azerbaijan	5	150	130	20	10	10			Spring-2	
2	ÜF-B02.01	BusinеİF and Academic Communication in a Foreign language -1	7	210	175	35	0	35			Fall-1	
3	ÜF-B02.02	BusinеİF and Academic Communication in a Foreign language -2	8	240	200	40	0	40			Spring -2	
4	ÜF– B03	BusinеİF and Academic Communication in Azerbaijani	4	120	105	15	0	15			Fall-1	
	ÜFS-B00	**Elective subjects**	**6**	**180**	**160**	**20**	**10**	**10**				
5	ÜFS-B04	*First Blok* 1. Philosophy 2. Introduction to Multiculturalism 3. Sociology 4. Constitution of the Republic of Azerbaijan and Fundamentals of Law 5.Logic 6.Ethics and Aesthetics	3	90	80	10	5	5			Fall-3	
6	ÜFS-B05	*Second blok* 1. Information Technologies (by speciality) 2. Information Management 3.Political science 4. Fundamentals of Entrepreneurship and Introduction to Business	3	90	80	10	5	5			Spring-8	
	İF-BOO	**Specialized subjects**	**120**	**3600**	**3155**	**445**	**245**	**198**	**2**			
7	İF-BO1	Linear algebra and analytic geometry	3	90	80	10	5	5			Spring-2	
8	İF-BO2	Calculus	7	210	185	25	15	10			Fall-3	
9	İF-BO3	Differential equations	3	90	80	10	5	5			Fall-5	
10	İF-BO4	Discrete mathematics	3	90	80	10	5	5			Fall -5	
11	İF-BO5	Probability theory and mathematical statistics	3	90	80	10	5	5			Fall-3	
12	İF-BO6	Physics	5	150	135	15	10	3	2		Fall-1	
13	İF-BO7	Fundamentals of information technology	8	240	215	25	15	10			Fall -1	
14	İF-BO8	Programming basics	6	180	155	25	15	10			Spring-4	
15	İF-BO9	Modern programming languages	6	180	155	25	15	10			Spring-8	
16	İF-B10	Computer architecture	8	240	215	25	15	10			Spring-2	
17	İF-B11	Data structure and algorithms	7	210	180	30	15	15			Fall 5	
18	İF-B12	Database systems	7	210	180	30	20	10			Spring-6	
19	İF-B13	Operating systems	6	180	150	30	15	15			Spring4	
20	İF-B14	Multimedia technologies	6	180	160	20	10	10			Spring-4	
21	İF-B15	İnformation security	6	180	160	20	10	10			Fall -7	

№	Code	Subject	Credits	Total							Semester	
22	İF-B16	Human computer interface	7	210	185	25	15	10			Fal -7	
23	İF-B17	Computer networks	8	240	210	30	15	15			Spring -6	
24	İF-B18	Artificial intelligence	6	180	160	20	10	10			Spring-4	
25	İF-B19	Web systems and technologies	7	210	180	30	15	15			Fall -7	
26	İF-B20	IT projects management	5	150	130	20	10	10			Fall -9	
27	İF-B21	Civil Defense	3	90	80	10	5	5			Fall-3	
	ATMF-BOO	**Subjects determined by the higher education institution**	**60**	**1800**	**1575**	**225**	**140**	**85**				
28	ATMF-BO1	**I block** 1. Schematic diagnostics 2. Systematic analysis	4	120	105	15	10	5			Fall-3	
29	ATMF-BO2	**II block** 1.Computer diagnostics 2. Decision – making systems	4	120	105	15	10	5			Fall-3	
30	ATMF-BO3	**III block:** 1.Digital cartography and geographic information 2.Cloud technologies	5	150	135	15	10	5			Fall -9	
31	ATMF-BO4	**IV block:** 1. Programming Technologies. 2. Research Software Package	5	150	130	20	10	10			Spring -6	
32	ATMF-BO5	**V block:** 1. Algorithmization and Programming 2. System Simulation	4	120	105	15	10	5			Fall -5	
33	ATMF-BO6	**VI block:** 1. Methods of Ensuring Cybersecurity 2. Communication Channels	3	90	80	10	5	5			Fall -5	
34	ATMF-BO7	**VII block:** 1.Information and Communication Systems 2. Problems of Mathematical Logic+	4	120	105	15	10	5			Fall -5	
35	ATMF-BO8	**VIII block:** 1. Basics of Robotics 2. Electrotechnics	4	120	105	15	10	5			Fall -9	
36	ATMF-BO9	**IX block:** 1. Web Programming 2. Computer System Organization	4	120	105	15	10	5			Fall -7	
37	ATMF-B10	**X block:** 1. Distributed Data Systems 2. Intelligent Decision-Making Technologies	3	90	75	15	10	5			Spring -8	
38	ATMF -B11	**XI block:** 1. Metrology and Certification 2. Laser and Its Applications 3. Social Physics	5	150	135	15	10	5			Spring -8	
39	ATMF-B12	**ATMF XII block:** 1. Computer Modeling+ 2. Theory of Automata	7	210	180	30	15	15			Spring -8	
40	ATMF-B13	**ATMF XIII block:** 1. Modern Web Programming Tools+ 2.Cryptographic Algorithms in Computer Systems	4	120	105	15	10	5			Fall -9	
41	ATMF-B14	**ATMF XIV block:** 1. Internet Technologies 2. Structured Programming	4	120	105	15	10	5			Spring -6	
42		**Internship**	**30**								Spring -10	
		TOTAL	**240**									

III. Duration Allocated for Training

Education year	Theoretical training	Exam	İnternship	Holiday
I	30	10		10
II	30	10		12
III	30	10		12
IV	15	5	20	4
Total	**105**	**35**	**20**	**38**

	1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester	8th semester
Weekly class load	22	23	22	23	2 3	2 2	23	
Examinatios number	6	5	5	6	6	7	6	
Credits number	30	30	30	30	30	30	30	30

Director of the Center for Organization and Management of Education:

_____ PhD,P.Akundov

«_____» _____ The year 2024

Scientific Council of WCU «_____»
Approved at the meeting of _____ dated in the year 2024 (Protocol No. _____).