



19	IF-B12	Discrete mathematics	6	180	105	75	45	30			Spring-4	5
20	IF-B13	Differential equations	6	180	120	60	30	30			Spring -6	4
21	IF-B14	Numerical methods – 1	4	120	75	45	30	15			Spring-4	3
22	IF-B15	Numerical Methods - 2	5	150	90	60	30	30		IF-BO14	Fall-5	4
23	IF-B16	Operating Systems	5	150	90	60	30	30			Spring-4	4
24	IF-B17	Programming Technologies	5	150	90	60	30	30			Fall-5	4
25	IF-B18	Database Systems	5	150	90	60	30	30			Fall-5	4
26	IF-B19	Computer Networks	6	180	105	75	45	30			Fall-5	5
27	IF-B20	Methods of Algorithm Analysis and Design - 1	4	120	60	60	30	30			Spring-6	4
28	IF-B21	Methods of Algorithm Analysis and Design - 2	4	120	60	60	30	30		IF-BO20	Fall-7	4
29	IF-B22	Parallel and Distributed Computing	4	120	75	45	30	15			Spring-6	3
30	IF-B23	Artificial Intelligence	4	120	75	45	30	15			Spring-6	3
31	IF-B24	Complex Analysis	4	120	75	45	30	15			Fall-7	3
32	IF-B25	Optimization Methods	5	150	90	60	30	30			Fall-7	4
33	IF-B26	Civil Defence	3	90	60	30	15	15			Fall-1	2
	<b>ATMF-BOO</b>	<b>Subjects defined by the Higher Education Institution</b>	<b>60</b>	<b>1800</b>	<b>1185</b>	<b>615</b>	<b>345</b>	<b>270</b>				<b>41</b>
35	ATMF-BO1	<b>I Block:</b> 1. Computer Modeling 2. Design of Computer System	6	180	120	60	30	30			Spring-2	4
36	ATMF-BO2	<b>II Block:</b> 1. Computer Graphics 2. Application Software Packages	5	150	90	60	30	30			Fall-3	4
37	ATMF BO3	<b>III Block:</b> 1. Human-Computer Interface (UI/UX) 2. Information and Communication Systems	6	180	120	60	30	30			Spring-4	4
38	ATMF-BO4	<b>IV Block:</b> 1. Systematic Analysis 2. Fundamentals of Circuit Design	5	150	105	45	30	15			Spring-4	3
39	ATMF-BO5	<b>V Block:</b> 1. System Simulation 2. Distributed Systems for Data	5	150	105	45	30	15			Fall-5	3
40	ATMF-BO6	<b>VI Block:</b> 1. Robotics 2. Electrical Engineering 3. Embedded Systems	4	120	75	45	30	15			Fall-5	3
41	ATMF-BO7	<b>VII Block:</b> 1. Cybersecurity 2. Information Security in Mobile Phones 3. Methods of Ensuring Cybersecurity	6	180	120	60	30	30			Spring-6	4
42	ATMF-BO8	<b>VIII Block:</b> 1. Data Structures and Algorithms 2. Web Programming	6	180	120	60	30	30			Spring-6	4
43	ATMF-BO9	<b>IX Block:</b> 1. Problems in Mathematical Logic 2. Laser and Its Applications 3. Computer Mathematics	6	180	120	60	30	30			Fall-7	4
44	ATMF -B10	<b>X Block:</b> 1. Digital Systems 2. Intelligent Systems 3. Expert Systems	7	210	135	75	45	30			Fall-7	5
45	ATMF -B11	<b>XI Block:</b> 1. Internet Technologies 2. Structured Programming	4	120	75	45	30	15			Fall-7	3
46	ATMF -B13	<b>XIII block:</b> 1. Planning and Design of Scientific Research 2. Research Methods and Ethics 3. Scientific Writing and Publication Processes	3	90	60	30	15	15			Fall-7	3
47		<b>Internship</b>	30								Spring-8	
		<b>TOTAL</b>	<b>243</b>									

### III. Duration of Training

Education year	Theoretical training	Exam	Internship	Holiday
I	30	10		10
II	30	10		12
III	30	10		12
IV	15	5	20	4
<b>Total</b>	<b>105</b>	<b>35</b>	<b>20</b>	<b>38</b>

	1 <sup>st</sup> semester	2 <sup>nd</sup> semester	3 <sup>rd</sup> semester	4 <sup>th</sup> semester	5 <sup>th</sup> semester	6 <sup>th</sup> semester	7 <sup>th</sup> semester	8 <sup>th</sup> semester
<b>Weekly class load</b>	22	23	22	23	23	22	23	
<b>Examinations number</b>	6	5	5	6	6	7	6	
<b>Credits number</b>	30	30	30	30	30	30	33	30

Director of the Center for Organization and Management of Education:

\_\_\_\_\_ PhD, P. Akhundov  
«\_\_\_\_\_» \_\_\_\_\_ 2026

Scientific Council of WCU «\_\_\_\_\_»

Approved at the meeting of \_\_\_\_\_ dated in the year 2026  
(Protocol No. \_\_\_\_\_).

