



17	IF-B11	Mechatronics and Robotics Systems Design	8	240	150	90	45	45			Spring-4	6
18	IF-B12	Electronics	6	180	120	60	30	30			Spring-4	4
19	IF-B13	Robotics Control	6	180	120	60	30	30			Fall-5	4
20	IF-B14	Modeling and Simulation of Dynamic Systems	6	180	120	60	30	30			Spring-6	4
21	IF-B15	Theory of Automatic Control	6	180	120	60	30	30			Fall-7	4
22	IF-B16	Digital Signal and Image Processing	7	210	120	90	45	45			Spring-6	6
23	IF-B17	Sensors and Actuators	7	210	120	90	45	45			Spring-6	6
24	IF-B18	Computer Graphics	5	150	105	45	30	15			Fall-5	3
25	IF-B19	Flexible Manufacturing Systems	6	180	120	60	30	30			Fall-7	4
26	IF-B21	Civil Defense	3	90	60	30	15	15			Fall-1	2
	<b>ATMF-BOO</b>	<b>Subjects Determined by the Higher Education Institution</b>	<b>60</b>	<b>1800</b>	<b>1125</b>	<b>675</b>	<b>360</b>	<b>315</b>				<b>45</b>
27	ATMF-BO1	<b>I block:</b> Specialized Foreign Language-1 (English/German)	3	90	60	30		30			Spring-2	2
28	ATMF-BO2	<b>II block:</b> Electrotechnics	5	150	90	60	30	30			Fall-3	4
29	ATMF-BO3	<b>III block:</b> Electrical machines	6	180	120	60	30	30			Fall-3	4
30	ATMF-BO4	<b>IV block:</b> 1. Embedded Microprocessors 2. Microprocessors and Microcontrollers 3. Basics of Circuitry	5	150	90	60	30	30			Spring-4	4
31	ATMF-BO5	<b>V block:</b> 1. Engineering Mathematics 2. Mathematical Logic Problems 3. System Analysis	4	120	75	45	30	15			Spring-4	3
32	ATMF-BO6	<b>VI block:</b> 1. Materials and Processes 2. Materials Science 3. Automated Design Systems for Devices	4	120	75	45	30	15			Fall-5	3
33	ATMF-BO7	<b>VII block:</b> 1. Social Engineering 2. Industrial Devices 3. Smart Systems	4	120	75	45	30	15			Fall-5	3
34	ATMF-BO8	<b>VIII block:</b> 1. Physical Principles of Obtaining Information, Modern Sensors, and Converters 2. Electromagnetism 3. Digital Electronics	4	120	75	45	30	15			Fall-5	3
35	VSS -BO9	<b>IX block:</b> 1. Optical Information Systems 2. Mechanics of Manipulator Mechanisms 3. Mechanical Engineering	5	150	105	45	30	15			Spring-6	3
36	ATMF-B10	<b>X block:</b> 1. Modern Programming Languages 2. IoT Technologies 3. Cloud Technologies	5	150	90	60	30	30			Spring-6	4
37	ATMF-B11	<b>XI block:</b> 1. Metrology, Standardization, and Certification. 2. Quality Control and Metrology 3. Measurement Technologies	5	150	90	60	30	30			Fall-7	4
38	ATMF-B12	<b>XII block:</b> 1. Computerized Biomedical Devices 2. Basics of Device Technologies	5	150	90	60	30	30			Fall-7	4
39	ATMF-B13	<b>XIII block:</b> 1. Biomedical Devices, Apparatus, Systems, and Complexes 2. Technical Methods of Biomedical Diagnostics	5	150	90	60	30	30			Fall-7	4
40	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
41		<b>Internship</b>	<b>30</b>								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
Weekly class load	22	23	22	23	23	22	23	
Examinations number	6	5	5	6	6	7	6	
Credits number	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. \_\_\_\_\_).