

“APPROVED BY”

MINISTRY OF EDUCATION OF  
THE REPUBLIC OF AZERBAIJAN

FORM №1

Rector of AUAC

\_\_\_\_\_prof.G.H.Mammadova

(signature)

“ \_\_\_ ” \_\_\_\_\_ 20\_\_

AZERBAIJAN ARCHITECTURE AND  
CONSTRUCTION UNIVERSITY

Code and name of speciality:  
060637 – Melioration and water economics  
construction engineering

# ACADEMIC PLAN

## EDUCATION PROCESS SCHEDULE

Courses	September				29	October			27	November				December				29	Yanuary			26	February			23	March				30	April			27	May				28	July			27	August						
	1	7	15	22	IX	6	13	20	X	3	10	17	24	1	8	15	22	XII	5	12	19	I	2	9	16	I	2	9	16	23	III	6	13	20	IV	4	11	18	25	1	8	15	22	VI	6	13	20	VII	3	10	17
1	-	-															:	:	:	:	:	=	=													:	:	:	:	:	=	=	=	=	=	=	=	=			
2	=	=															+	+	+	+	:	:	=	=	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	-	-	-	-	-	-	-	-	

Conditional symbols:

Theoretical tuition	Examination session	Scientific and pedagogical practice Scientific and research practice	Holiday	Research work	Preparation of dissertations
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№	Subject code	Subject name	Credits	Total hours	Extra-curricular hours	Curricular hours	Including			Prerequisite (necessary preliminary education) subject codes	Co-requisite (parallel education) subject codes	Term of subject tuition (autumn or summer)	Academic load per week
							Lectures	Seminars	Practical hours				
	<b>MHF-B00</b>	<b>Humanitarian subjects section</b>	<b>6</b>	<b>180</b>	<b>135</b>	<b>45</b>	<b>45</b>					<b>3</b>	
<b>1</b>	<b>MHF-B01</b>	Pedagogy and psychology of higher school	4	120	90	30	30				Y-1	2	
<b>2</b>	<b>MHF-B02</b>	Academic writing	2	60	45	15	15				Y-1	1	
	<b>MIF-B00</b>	<b>Speciality subjects section</b>	<b>48</b>	<b>1440</b>	<b>1170</b>	<b>270</b>	<b>195</b>	<b>75</b>				<b>18</b>	
<b>1</b>	<b>MIF-B01</b>	Modern problems of specialty science	6	180	150	30	30				P-1	2	
<b>2</b>	<b>MIF-B02</b>	Research methods	6	180	150	30	30				P-1	2	
<b>3</b>	<b>MIF-B03</b>	Computer modeling	6	180	135	45		45			P-1	3	
<b>4</b>	<b>MIF-B04</b>	Hydraulic turbines	6	180	150	30	15	15			Y-1	2	
<b>5</b>	<b>MIF-B05</b>	Hydraulics of variable mass flow	6	180	150	30	30				P-1	2	
<b>6</b>	<b>MIF-B06</b>	Operation of amelioration and engineering systems	6	180	135	45	30	15			P-1	3	
<b>7</b>	<b>MIF-B07</b>	The river and offshore hydraulic engineering facilities	6	180	150	30	30				Y-1	2	
<b>8</b>	<b>MIF-B08</b>	Hydraulic equipment	6	180	150	30	30				Y-1	2	
<b>Optional subjects:</b>													
<b>Specialization: Hydrotechnical construction</b>													
	<b>MIF-B09</b>	<b>Optional subjects for specialization</b>	<b>18</b>	<b>540</b>	<b>435</b>	<b>105</b>	<b>90</b>	<b>15</b>				<b>7</b>	
<b>1</b>	<b>MIF-B09A</b>	1) Calculation of hydrotechnical facilities for strength and stability 2) Calculation of hydrotechnical facilities for thermo-technical	6	180	135	45	30	15			Y-1	3	

2	<b>MİF -B09B</b>	1) Calculation of hydrotechnical facilities for aerial, cavitation and corrosion 2) Hydraulic harbor facilities	6	180	150	30	30					P-2	2
3	<b>MİF -B09C</b>	1) Construction, organization and management of hydrotechnical facilities 2) Calculation of Continental Shelf Hydraulic Facilities for Dynamic Impacts	6	180	150	30	30					P-2	2

**Specialization: Melioration – Construction and exploitation of engineering systems**

	<b>MİF -B09</b>	<b>Optional subjects for specialization</b>	<b>18</b>	<b>540</b>	<b>435</b>	<b>105</b>	<b>90</b>	<b>15</b>					<b>7</b>
1	<b>MİF -B09A</b>	1) Amelioration of hardly washed soils 2) Operation of pumping stations and hydraulic systems on the system	6	180	135	45	30	15				Y-1	3
2	<b>MİF -B09B</b>	1) Modeling of reclamation system 2) Application of mathematical statistics in melioration	6	180	150	30	30					P-2	2
3	<b>MİF -B09C</b>	1) Organization and management of construction of amelioration systems 2) Regulation of the current	6	180	150	30	30					P-2	2

**Specialization : Construction of hydropower stations**

	<b>MİF -B09</b>	<b>Optional subjects for specialization</b>	<b>18</b>	<b>540</b>	<b>435</b>	<b>105</b>	<b>90</b>	<b>15</b>					<b>7</b>
1	<b>MİF -B09A</b>	1) Hydroelectric power stations 2) Drainage type hydroelectric power stations	6	180	135	45	30	15				Y-1	3
2	<b>MİF -B09B</b>	1) Calculation of Hydroelectric power stations elements for strength and durability 2) Port hydraulic facilities	6	180	150	30	30					P-2	2
3	<b>MİF -B09C</b>	1) Construction, organization and management of hydroelectric power stations 2) Fishery hydrotechnical facilities	6	180	150	30	30					P-2	2

<b>Quantity of academic hours and credits</b>	<b>72</b>	<b>2160</b>	<b>1740</b>	<b>420</b>	<b>330</b>	<b>90</b>						<b>28</b>
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	<b>ETi- B00</b>	<b>SCIENTIFIC AND RESEARCH WORKS</b>	<b>48</b>	<b>1440</b>								
<b>1</b>	<b>ETi- B01</b>	Scientific and pedagogical practice	6	180								
<b>2</b>	<b>ETi- B01</b>	Scientific and research practice	6	180								
<b>3</b>	<b>ETi- B02</b>	Conducting research works	6	180								
<b>4</b>	<b>ETi- B03</b>	Preparation and defence of master's dissertations	30	900								
<b>Total quantity of hours and credits for master's specialization preparation</b>			<b>120</b>	<b>3600</b>								

### INFORMATION ON TUITION

Academic year		Credits		Theoretical tuition (week)		Researches, communication and innovation Conducting research works		Examination session (week)		Number of examinations		Practice (week)		Dissertation work (week)		Holiday	
<b>I</b>	<b>P – 1</b>	<b>60</b>	<b>30</b>	<b>30</b>	<b>15</b>			<b>10</b>	<b>5</b>	<b>11</b>	<b>5</b>					<b>12</b>	<b>2</b>
	<b>Y – 1</b>		<b>30</b>		<b>15</b>												<b>5</b>
<b>II</b>	<b>P – 2</b>	<b>60</b>	<b>30</b>	<b>6</b>	<b>6</b>	<b>4</b>	<b>4</b>			<b>2</b>	<b>2</b>	<b>8</b>	<b>8</b>	<b>20</b>		<b>2</b>	<b>2</b>
	<b>Y – 2</b>		<b>30</b>														
<b>Total:</b>		<b>120</b>		<b>36</b>		<b>4</b>		<b>10</b>		<b>13</b>		<b>8</b>		<b>20</b>		<b>14</b>	

Vice-rector for educational affairs  
of Azerbaijan Architecture and  
Construction University

\_\_\_\_\_ dos.A.F.Gasimov

Director of Master Center  
\_\_\_\_\_ R.Y.Samadov

Approved at the meeting of  
Scientific Council of Azerbaijan  
Architecture and Construction University  
dated “\_\_\_” \_\_\_\_\_ 20\_\_\_  
(protocol № \_\_\_)

