

“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:
060635 – Engineering systems and structures construction
engineering

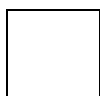
ACADEMIC PLAN

EDUCATION PROCESS SCHEDULE

Courses	September				29	October			27	November				December				29	January			26	February			23	March				30	April			27	May				June				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	24
1	-	-															:	:	:	:	:	=	=															:	:	:	:	:	=	=	=	=	=	=	=	=		
2	=	=							X	X	X	X	X	X	X	X	+	+	+	+	:	:	=	=	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	-	-	-	-	-	-	-	-			

Conditional symbols:

Theoretical tuition



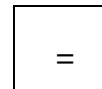
Examination session



Scientific and pedagogical practice
Scientific and research practice



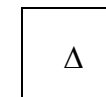
Holiday



Research work



Preparation of
dissertations



№	Subject code	Subject name	Credits	Total hours	Extra-curricular hours	Curricular hours	Including			Prerequisite (necessarily preliminary education) subject codes	Co-requisite (parallel education) subject codes	Term of subject tuition (autumn or summer)	Academic load per week
							Lectures	Seminars	Laboratory works				
	MHF-B00	Humanitarian subjects section	6	180	135	45	45						3
1	MHF-B01	Pedagogy and psychology of higher school	4	120	90	30	30					Y-1	2
2	MHF-B02	Academic writing	2	60	45	15	15					Y-1	1
	MIF-B00	Specialty subjects section	42	1260	1005	255	180	75					17
1	MIF-B01	Modern problems of specialty science	6	180	150	30	30					P-1	2
2	MIF-B02	Research methods	6	180	150	30	30					P-1	2
3	MIF-B03	Waste water disposal	6	180	135	45	30	15				Y-1	3
4	MIF-B04	Alternative renewable energy sources	6	180	150	30	30					Y-1	2
5	MIF-B05	Modern design methods of engineering systems and facilities	6	180	135	45		45				P-1	3
6	MIF-B06	Design of energy efficient buildings	6	180	135	45	30	15				P-1	3
7	MIF-B07	Management and security of buildings engineering systems	6	180	150	30	30					P-2	2
SEÇMƏ FƏNLƏR:													
Specialty: Systems providing microclimate of buildings and structures													
	MIF-B08	Optional subjects for specialization	24	720	570	150	120	30					10
1	MIF-B08A	Microclimate systems	6	180	135	45	30	15				P-1	3
2	MIF-B08B	1) Regenerative energy systems 2) Technological and ventilation waste	6	180	135	45	30	15				Y-1	3

		treatment											
3	MİF-B08C	1) Ventilation and air conditioning systems 2) Microclimate management of buildings and facilities	6	180	150	30	30					Y-1	2
4	MİF-B08D	1) Heating systems 2) Energy-saving equipment in microclimate systems	6	180	150	30	30					P-2	2
SPecialization: Heat and gas supply													
	MİF-B08	Optional subjects for specialization	24	720	570	150	120	30					10
1	MİF-B08A	Thermal gas supply	6	180	135	45	30	15				P-1	3
2	MİF-B08B	1) Water preparation for heating systems 2) Heat transfer and termal mass exchange	6	180	135	45	30	15				Y-1	3
3	MİF-B08C	1) Heat sources, heat transfer and use 2) Heating supply equipment	6	180	150	30	30					Y-1	2
4	MİF-B08D	1) Transportation and using of the gas 2) Gas burners and combustion process management	6	180	150	30	30					P-2	2
Specialization : Water supply													
	MİF-B08	Optional subjects for specialization	24	720	570	150	120	30					10
1	MİF-B08A	Water supply systems	6	180	135	45	30	15				P-1	3
2	MİF-B08B	1)Su kimyası və mikrobiologiyası 2) Water chemistry and bacteriological analysis	6	180	135	45	30	15				Y-1	3
3	MİF-B08C	1) Water supply of residential areas 2) Underground water supply in settlements	6	180	150	30	30					Y-1	2
4	MİF-B08D	1) Industry water supply 2) Use of seawater in industrial water supply	6	180	150	30	30					P-2	2

Specialization: Removal and purification of wastewater													
	MIF-B08	Optional subjects for specialization	24	720	570	150	120	30					10
1	MIF-B08A	Sewage systems	6	180	135	45	30	15				P-1	3
2	MIF-B08B	1) Biological bases of water purification 2) Biochemical methods of water purification	6	180	135	45	30	15				Y-1	3
3	MIF-B08C	1)Sewage systems in settlements 2) Separate sewerage system of residential areas	6	180	150	30	30					Y-1	2
4	MIF-B08D	1) Treatment of wastewater 2) Preparation of household and industrial wastewater for reuse	6	180	150	30	30					P-2	2
Specialization: Alternative energy sources													
	MIF-B08	Optional subjects for specialization	24	720	570	150	120	30					10
1	MIF-B08A	Management of the harmful wastes	6	180	135	45	30	15				P-1	3
2	MIF-B08B	1) The use of solar energy 2) Energy management in microclimate systems	6	180	135	45	30	15				Y-1	3
3	MIF-B08C	1) Use of energy in mass and biomass 2) Equipment of regenerative power systems	6	180	150	30	30					Y-1	2
4	MIF-B08D	1) Using of the Hydro energy systems 2) Geothermal energy and its use	6	180	150	30	30					P-2	2
Quantity of academic hours and credits			72	2160	1710	450	345	105					30

	ETi- B00	SCIENTIFIC AND RESEARCH WORKS	48	1440									
1	ETi- B01	Scientific and pedagogical practice	6	180									
2	ETi- B01	Scientific and research practice	6	180									
3	ETi- B02	Conducting research works	6	180									
4	ETi- B03	Preparation and defence of master's dissertations	30	900									
Total quantity of hours and credits for master's specialization preparation			120	3600									

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	
I	P – 1	60	30	30	15			10	5	11	5					12	2
	Y – 1		30		15				5		6						10
II	P – 2	60	30	6	6	4	4			2	2	8	8	20		2	2
	Y – 2		30														
Total:		120		36		4		10		13		8		20		14	

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 № __)