

MINISTRY OF EDUCATION OF THE REPUBLIC OF AZERBAIJAN
AZERBAIJAN ARCHITECTURE AND CONSTRUCTION UNIVERSITY

APPROVED BY:
Rector _____ G.H. MAMMADOVA
“ _____ “ _____ 20

Master level
Academic plan
SPECIALITY: 060630 – MECHANICAL ENGINEERING
SPECIALIZATIONS: STRENGTH AND DYNAMICS OF MACHINES

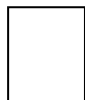
Academic degree: Master
Education period: 2 years (full-time)

ACADEMIC PLAN

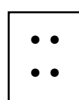
I. EDUCATION PROCESS PLAN

Courses	September				29 IX	October			27 X	November				December				29 XII	Yanuary			26 I	Februa ry			23 I	March				30 III	April			27 IV	May				June			28 VI	July			27 VII	August					
	1	8	15	22		6	13	21		3	10	17	24	1	8	15	22		5	12	19		2	9	16		2	9	16	23		6	13	20		4	11	18	25	1	8	15	22		6	13	20		2	9	16	23	
	7	14	21	28	5 X	12	19	26	2 XI	9	16	23	30	7	14	21	28	4 I	11	18	25	1 II	8	15	22	1 III	8	15	22	29	5 IV	12	19	26	3 V	10	17	24	31	7	14	21	28	5 VII	12	19	26	1 VIII	8	15	22	29	
I																		••	••	••	••	••	=	=																	••	••	••	••	••	=	=	=	=	=	=	=	=
II	=	=																••	••	••	••	••	=	=	O	O	O	O	X	X	X	X	II	II	II	II	II	II	II	D	D	D	D	=	=	=	=						

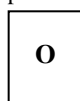
Theoretical tuition



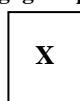
Examination session



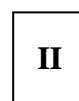
Scientific and research practice



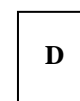
Scientific and Pedagogical practice



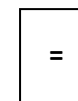
Preparation of dissertation



Defence of dissertation work



holiday



II. TIME BUDGET (weeks)

Courses	Theoretical tuition	Examination session	Scientific and research practice	Scientific and pedagogical practice	Preparation of dissertation	Defence of dissertation work	Holiday	Total
I	30	10	–	–	–	–	10	50
II	15	5	4	4	8	4	8	48
Cami:	45	15	4	4	8	4	18	98

EDUCATION PROCESS PLAN

Subject sections and subjects indices	Name of subject sections and subjects	Total hours	Curricular hours					Independent work	Prerequisites	Credits	Courses and terms			
			Total	Lectures	Laboratory works	Practical sessions	Abstracts				I kurs		II kurs	
											I term	II term	III term	IV term
Education														
MHF-B00	HUMANITARIAN SUBJECTS	420	105	60		45		315		14	3		4	
MHF-B01	Foreign language	180	45			45		135		6	3			
MHF-B02	Higher school pedagogy	120	30	30				90		4			2	
MHF-B03	Psychology	60	15	15				45		2			1	
MHF-B04	SEÇMƏ FƏNLƏR													
	Unit I: 1) Ethics; 2) Esthetics; 3) Labor law	60	15	15				45		2			1	
MİF-B00	SPECIALITY (SPECIALIZATION) SUBJECTS	2280	570	330	75	165		1710		76	12	15	11	
MİF-B01	Modern problems of specialization field	120	30	30				90		4	2			
MİF-B02	History and methodology of speciality field.	60	15	15				45		2	1			
MİF-B03	Computer modelling	120	30	15	15			90		4	2			
MİF-B05	Subjects for specialization:	1260	315	180	45	90		945		42				
MİF-B05 A	Foundations of scientific research	180	45	30		15		135		6	3			
MİF-B05 B	Foundations of computer design of uninterrupted transport machines	300	90	30	30	30		225		10			6	
MİF-B05 C	New construction materials used for machines	300	45	30		15		225		8		3		
MİF-B05 D	Foundations of uninterrupted transport machines study	300	75	45	15	15		225		10			5	
MİF-B05 E	Quality steel and alloys used in machines	240	60	45		15	1	180		8	4			
MİF-B04	Optional subjects	720	180	90	15	75		540		24				

MIF-B04 C	Strength and dynamics of machines														
	Unit I: 1) Strengthening of machine parts by thermal treatment 2) Steel and alloys of special physical properties	240	60	30		30	3	180		8		4			
	Unit II: 1) Reinforcement of machine parts by SPD methods 2) Corrosion and protection of uninterrupted machine parts	240	60	30		30	2	180		8		4			
	Unit III Blok: 1) Dynamics of uninterrupted transport machines 2) Optimal design of machines	240	60	30	15	15		180		8		4			
Academic hours and credits		2700	675	390	75	210	3	2025		90	15	15	15		
										Quantity of exams:			6	4	5
SCIENTIFIC RESEARCH															
MET-B00	Scientific and research work	900								30					
MET-B01	Scientific and research practice – 4 weeks	180								6					
MET-B02	Scientific and pedagogical practice – 4 weeks	180								6					
MET-B03	Preparation and defence of master dissertation – 12 weeks	540								18					
Total hours and credits for Master’s degree preparation program		3600	675	390	75	210	3	2025		120					

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 № ___)