



**CURRICULUM**  
of Educational Program on enrollment for 2024-2025 academic year  
Educational program 6B07307 - "Architecture"  
Group of educational programs B073 - "Architecture"

APPROVED  
Chairman of the Management Board  
Rector of Kazntu named after K.Satbayev  
M.M. Bigentaev  
2024 y.

Full-time form of education

Study period: 3 years

Academic degree: Bachelor of Engineering and Technology

Discipline Code	Name of disciplines	Cycle	Total volume in credits	Total hours	Audience volume lek/lab/pr	SRO (including SRO/P) in	form of control	Distribution of classroom studies by courses and semester					
								I course		II course		III course	
								1 semester	2 semester	3 semester	4 semester	5 semester	6 semester
<b>M-4. Socio-cultural development module</b>													
HUM 137	The history of Kazakhstan	OOD, OK	5	150	1/0/2	105	ГЭ	5					
<b>CYCLE OF BASIC DISCIPLINES (BD)</b>													
<b>M-6. Fundamental Training Module</b>													
CIV584	Construction mechanics	BD, VK	5	150	1/0/2	105	Э	5					
<b>M-7. Basic training module</b>													
ARC157	Sculpture	BD, KV	5	150	0/0/3	105	Э	5					
ARC455	Plastic modeling												
ARC551	Regional features of architecture												
ARC552	Art History	BD, KV	4	120	2/0/1	75	Э	4					
<b>M-8. Digital Modeling module</b>													
ARC507	Professional modeling in architecture III												
ARC187	The basics of visual culture	BD, KV	5	150	0/0/3	105	Э	5					
ARC145	Professional modeling in architecture IV												
ARC465	Digital modeling II	BD, KV	5	150	0/0/3	105	Э	5					
ARC529	Professional modeling in architecture V												
ARC530	Digital modeling III												
CSE831	The basics of artificial intelligence	BD, KV	5	150	0/0/3	105	Э			5			
<b>M-9. Engineering Training Module</b>													
CIV124	Engineering systems of buildings and structures	BD, VK	5	150	2/0/1*					5			
ARC106	Architectural typology	BD, VK	5	150	2/0/1*								
CIV164	Building structures	BD, VK	5	150	2/0/1*							5	
ARC555	Engineering improvement and transport									5			
ARC588	Environmental objects of urbanized territories	BD, KV	6	180	2/0/2							6	
<b>M-10. Technological module</b>													
ARC508	Architectural coloristics and lighting												
ARC578	Light-color organization of the environment	BD, KV	5	150	1/0/2								5
ARC159	Modern materials in architecture												
ARC575	Special interior equipment	BD, KV	6	150	2/0/1					5			
ARC531	Interior design												
MNG563	Fundamentals of sustainable development and ESG projects in Kazakhstan	BD, KV	5	150	0/0/3								
ARC461	Ergonomics												
ARC553	Fundamentals of urban planning												
ARC579	Urban environment equipment	BD, KV	6	180	2/0/2							6	
ARC558	Designing the master plan												
ARC462	Urban ecology	BD, KV	5	150	1/0/2								
MNG562	Legal regulation of intellectual property												
ARC557	Landscape architecture												
ARC559	Landscape design	BD, KV	4	120	0/0/3								4
<b>CYCLE OF PROFILING DISCIPLINES (PD)</b>													
<b>M-11. Integrated and Sustainable design module</b>													
ARC580	Methodology of designing architectural objects	PD, VK	4	120	1/0/2*	105	Э						
ARC509	Integrated design I	PD, VK	5	150	0/0/3*	105	Э	5					4
ARC510	Integrated design II	PD, VK	5	150	0/0/3*	105	Э	5					
ARC440	Integrated design III	PD, VK	5	150	0/0/3*	105	Э						
ARC441	Integrated design IV	PD, VK	5	150	0/0/3*	105	Э			5			
ARC442	Integrated design V	PD, VK	5	150	0/0/3*	105	Э			5			
ARC443	Integrated design VI	PD, VK	5	150	0/0/3*	105	Э				5		
ARC444	Integrated design VIII	PD, VK	5	150	0/0/3*	105	Э				5		
ARC445	Integrated design VIII	PD, VK	5	150	0/0/3*	105	Э					5	
ARC135	Pre-graduate project I	PD, VK	5	150	0/0/3*	105	Э					5	
ARC127	Comprehensive project I	PD, VK	5	150	0/0/3*	105	Э						5
ARC403	Pre-project analysis I												
ARC128	Comprehensive project II	PD, VK	5	150	0/0/3*	105	Э						5
ARC478	Principles of sustainable architecture												
ARC483	Energy efficient design	PD, VK	5	150	2/0/1*	105	Э						5
ARC406	Operational design												
ARC108	Energy efficient design	PD, VK	5	150	0/0/3*	105	Э						5
<b>M-11. Training module</b>													
ARC132	Fundamentals of BIM technologies	PD, VK	5	150	0/0/3*	105	Э						5
ARC560	Modern regulatory and legal aspects in architecture and urban planning	PD, VK	4	120	2/0/1*	75	Э						4
MAP560	Geodesy in architecture												
ARC562	Vertical layout of landscape architecture objects	PD, VK	4	120	1/0/2*	75	Э			4			
ARC563	Renovation of urban spaces												
ARC470	Equipment for recreational urban areas	PD, VK	5	150	2/0/1*	105	Э				5		
ARC564	Reconstruction and modernization of buildings and complexes												
ARC565	Restoration of architectural monuments	PD, VK	6	180	2/0/1*	135	Э					6	
AAP187	Industrial practice II	PD, VK	2										2
AAP400	Industrial practice III	PD, VK	2										2
<b>M-9. Final assessment module</b>													
ECA113	Writing and defending a thesis (project)	IA	8										8
<b>M-10. Module of additional types of training</b>													
								34	31	30	30	30	30
								65		60			60

Total for UNIVERSITY:

Cycle code	Cycles of disciplines	Loans				Total
		required at (OS)	univalent y. compone at (VC)	compose int of choice (CY)		
OOD	Cycle of general education disciplines	5				5
DB	Cycle of basic disciplines		20	61		81
PD	Cycle of major disciplines		56	35		91
IA	final examination	8				177
<b>TOTAL:</b>						185

Decision of the Academic Council of KazNRTU named after K.Satpayev. Protocol № 12or " 22 " april 2024 y.

Decision of the Educational and Methodological Council of KazNRTU named after K.Satpayev. Protocol № 6 or " 19 " april 2024 y.

Decision of the Academic Council of the Institutel A&C after T.K.Basenov. Protocol № 7 or " 28 " March 2024 y.

Vice-Rector for Academic Affairs

Director of the Institute of A&S them. T.K. Basenov

Head of the Department "Architecture"

Specialty Council representative from employers

R.K. Uskenbayeva

B.U. Kuspangaliev

K.R. Sultanova

A.A. Mametov