



**CYCLE OF PROFILING DISCIPLINES (PD)**

M-11. Integrated and Sustainable design module																				
ARC509	Integrated design I	PD, VK	5	150	0/0/3*	105	E						5							
ARC510	Integrated design II	PD, VK	5	150	0/0/3*	105	E						5							
ARC440	Integrated design III	PD, VK	5	150	0/0/3*	105	E													
ARC441	Integrated design IV	PD, VK	5	150	0/0/3*	105	E				5									
ARC442	Integrated design V	PD, VK	5	150	0/0/3*	105	E				5									
ARC443	Integrated VIDEO design	PD, VK	5	150	0/0/3*	105	E					5								
ARC444	Integrated design VII	PD, VK	5	150	0/0/3*	105	E					5								
ARC445	Integrated design VIII	PD, VK	5	150	0/0/3*	105	E						5							
ARC566	Pre-graduate project											5								
ARC127	Comprehensive project I	PD, KV	5	150	0/0/3	105	E						5							
ARC137	Pre-project analysis																			
ARC128	Comprehensive project II	PD, KV	5	150	0/0/3	105	E						5							
ARC478	Principles of sustainable architecture																			
ARC483	Energy efficient design	PD, KV	5	150	2/0/1 1/0/2	105	E						5							
ARC406	Operational design																			
ARC493	Comprehensive organization of public spaces	PD, KV	5	150	0/0/3	105	E						5							
M-12. Training module																				
ARC132	Fundamentals of BIM technologies	PD, VK	5	150	0/0/3*	105	E						5							
ARC560	Modern regulatory and legal aspects in architecture and urban planning	PD, VK	4	120	2/0/1*	75	E						4							
ARC580	Methodology of designing architectural objects	PD, VK	4	120	1/0/2*	75	E						4							
MAP560	Geodesy in architecture				1/0/2															
ARC562	Vertical layout of landscape architecture objects	PD, KV	4	120	2/0/1	75	E			4										
ARC563	Renovation of urban spaces				2/0/1															
ARC470	Equipment for recreational urban areas	PD, KV	5	150	0/0/3	105	E			5										
ARC591	Reconstruction and modernization of buildings and complexes	PD, KV	6	180	2/0/2	120	E					6								
ARC592	Restoration of architectural monuments																			
AAP412	Educational practice II	PD, VK	2							2										
AAP102	Production practice I	PD, VK	2								2									
AAP187	Industrial practice II	PD, VK	2									2								
M-13. Final assessment module																				
ECA109	Final examination	IA	8										8							
M-14. Module of additional types of training																				
AAP500	Military training	DVO	0																	
<b>Total for UNIVERSITY:</b>											31	29	28	32	29	31	30	30	30	30
											60	60	60	60	60	60	60	60	60	60

Number of credits for the entire period of study					
Cycle code	Cycles of disciplines	required component (OK)	Loans		Total
			university component (VC)	component of choice (CV)	
OOD	Cycle of general education disciplines	51	5		56
DB	Cycle of basic disciplines		66	76	236
PD	Cycle of major disciplines		59	35	
	<b>Total for theoretical training:</b>	<b>51</b>	<b>130</b>	<b>111</b>	<b>292</b>
IA	final examination	8			8
	<b>TOTAL:</b>	<b>59</b>	<b>130</b>	<b>111</b>	<b>300</b>

Decision of the Academic Council of KazNRTU named after K.Satpayev. Protocol № 120r " 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 Institute I A&C after T.K.Basenov. Protocol № 7 or " 28 " March 2024 y.

Vice-Rector for Academic Affairs

R.K. Uskenbayeva

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

B.U. Kuspangaliyev

Head of the Department "Architecture"

K.R. Sultanova

Specialty Council representative from employers

A.A. Mametov