NJSC "KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY named after K.I.SATPAYEV"

SATBAYEV UNIVERSITY

APPROVED
Chairman of the Management Board-
Rector of KazNRTU named after K.Satpayev
M.M. Begentaev
«23» 04 2024 y.

CURRICULUM
of Educational Program on enrollment for 2024-2025 academic year

Educational program 6B02102 - "Design"
Group of educational programs B031 - "Fashion, interior design and industrial design"

Full-time form of education | Study period: 5 years | Academic degree: Bachelor of Arts

Discipline Code	Name of disciplines	Cycle	Total volume in credits	Total hours	Audien-ce volume lek/lab /pr	SRO (including SROP) in hours	form of control	Distribution of classroom studies by courses and semesters									
								I course		II course		III course		IV course		V course	
								1 semester	2 semester	3 semester	4 semester	5 semester	6 semester	7 semester	8 semester	9 semester	10 semester
CYCLE OF GENERAL EDUCATIONAL DISCIPLINES (OOD)																	
M-1. Language training module																	
LNG108	Foreign language	GED, RC	10	300	0/0/6	210	E	5									
LNG108	Foreign language	GED, RC	10	300	0/0/6	210	E		5								
LNG104	Kazakh (Russian) language	GED, RC	10	300	0/0/6	210	E	5									
LNG104	Kazakh (Russian) language	GED, RC	10	300	0/0/6	210	E		5								
M-2. Physical training module																	
KFK 101-104	Physical Culture	GED, RC	8	240	0/0/8	120	Difference	2	2	2	2						
M-3. Information technology module																	
CSE677	Information and communication technologies	GED, RC	5	150	2/1/0	105	Э				5						
M-4. Socio-cultural development module																	
HUM137	History of Kazakhstan	GED, RC	5	150	1/0/2	105	GE		5								
HUM132	Philosophy	GED, RC	5	150	1/0/2	105	E				5						
HUM120	Module of socio-political knowledge (sociology, political science)	GED, RC	3	90	1/0/1	60	E				3						
HUM134	Module of socio-political knowledge (culturology, psychology)	GED, RC	5	150	2/0/1	150	E			5							
M-5. Entrepreneurship, Ecology and Life Safety Module																	
HUM 136	Fundamentals of anti-corruption culture and law	GED, RC	5	150	2/0/1	150	E			5							
MNG 489	Fundamentals of economics and entrepreneurship																
CIV970	Fundamentals of scientific research methods																
CHE656	Ecology and life safety																
MNG564	Fundamentals of financial literacy																
CYCLE OF BASIC DISCIPLINES (BD)																	
M-6. Module of physical and mathematical training																	
MAT462	Mathematics for architects	BD, CCH	5	150	1/0/2	105	E	5									
M-7. Basic Training and History Module																	
SCM130	Engineering and computer graphics	BD, CCH	5	150	0/0/3	105	E	5									
ARC537	Drawing I	BD, CCH	4	120	0/0/3	75	E	4									
ARC156	Drawing II	BD, CCH	5	150	0/0/3*	105	E		5								
ARC504	Architectural composition	BD, CCH	5	150	1/0/2*	105	E	5									
ARC114	World History of Architecture	BD, CCH	5	150	2/0/1*	105	E		5								
ARC523	Fundamentals of design engineering	BD, CCH	5	120	1/0/2*	75	E			5							
ARC597	History of design, science and technology	BD, CCH	4	120	1/0/2*	75	E			4							
ARC505	Painting	BD, CCH	5	150	0/0/3	105	E			5							
ARC572	Photography				0/0/3		E										
ARC102	Architectural graphics and modeling	BD, CCH	5	150	0/0/3	105	E				5						
ARC611	Special drawing I						E										
ARC581	Interior history	BD, CCH	6	180	1/0/3	120	E					6					
ARC540	History of garden art						E										
M-8. Digital Modeling module																	
ARC524	Professional modeling in Design I	BD, CCH	5	150	0/0/3*	105	E			5							
ARC612	Designing for designers	BD, CCH	4	120	0/0/3*	75	E				4						
ARC525	Professional modeling in design II	BD, CCH	4	120	0/0/3	75	E				4						
ARC542	Digital modeling I						E										
ARC157	Sculpture	BD, CCH	5	150	0/0/3	105	E					5					
ARC455	Plastic modeling						E										
ARC526	Professional modeling in design III	BD, CCH	5	150	0/0/3	105	E					5					
ARC187	The basics of visual culture				1/0/2		E										
ARC508	Architectural coloristics and lighting	BD, CCH	5	150	1/0/2	105	E					5					
ARC578	Light-color organization of the environment				1/0/2		E										
ARC527	Professional modeling in design IV	BD, CCH	6	180	0/0/4	120	E						6				
ARC543	Digital modeling II						E										
ARC528	Professional modeling in design V	BD, CCH	5	150	0/0/3	105	E							5			
ARC530	Digital modeling III						E										
M-9. Technological module																	
ARC544	Typology of the architectural environment	BD, CCH	6	180	1/0/3*	120	E						6				
ARC546	Modern design	BD, CCH	6	180	1/0/3*	120	E										6
ARC547	Construction of design objects	BD, CCH	6	180	1/0/3*	120	E									6	
ARC183	Modern materials in design	BD, CCH	5	150	1/0/2	105	E							5			
ARC575	Special interior equipment				0/0/3		E										
ARC531	Interior design	BD, CCH	5	150	0/0/3	105	E								5		
ARC461	Ergonomics				1/0/2		E										
ARC596	Design of recreational facilities	BD, CCH	5	150	0/0/3	105	E							5			
ARC554	Urban environment equipment				0/0/3		E										
ARC463	Design and advertising technologies	BD, CCH	5	150	1/0/2	105	E							5			
ARC457	Printing design				1/0/2		E										
ARC567	Dendrology	BD, CCH	5	150	1/0/2	105	E								5		
ARC462	Urban ecology				1/0/2		E										
ARC557	Landscape architecture	BD, CCH	4	120	0/0/3	75	E								4		
ARC559	Landscape design						E										
AAP416	Educational practice 1	BD, CCH	2						2								

CYCLE OF PROFILING DISCIPLINES (PD)

M-10. Design preparation module																		
ARC598	Integrated design engineering I	PD,CHH	5	150	0/0/3*	105	E					5						
ARC599	Integrated design engineering II	PD,CHH	5	150	0/0/3*	105	E					5						
ARC561	Integrated design engineering III	PD,CHH	5	150	0/0/3*	105	E						5					
ARC602	Integrated design design IV	PD,CHH	5	150	0/0/3*	105	E						5					
ARC603	Integrated design engineering V	PD,CHH	5	150	0/0/3*	105	E							5				
ARC604	Integrated VIDEO design	PD,CHH	5	150	0/0/3*	105	E							5				
ARC605	Integrated design engineering VII	PD,CHH	5	150	0/0/3*	105	E								5			
ARC606	Integrated design engineering VIII	PD,CHH	5	150	0/0/3*	105	E								5			
ARC607	Pre-graduate design project	PD,CHH	5	150	0/0/3	105	E									5		
ARC609	Design project I						E									5		
ARC608	Pre-project analysis (for designers)	PD,CHH	5	150	0/0/3	105	E										5	
ARC610	Design project II						E										5	
ARC406	Operational design	PD,CHH	5	150	0/0/3	105	E										5	
ARC493	Comprehensive organization of public spaces				0/0/3		E										5	
M-11. Training module																		
ARC132	Fundamentals of BIM technologies	PD,CHH	5	150	0/0/3*	105	E											5
ARC580	Methodology of designing architectural objects	PD,CHH	4	120	1/0/2*	75	E											4
ARC532	Technology of architectural and design shaping	PD,CHH	4	120	1/0/2	75	E						4					
ARC533	Design layout and color concept				2/0/1		E											
ARC594	Renovation of public spaces	PD,CHH	6	180	1/0/3	120	E											6
ARC593	Reconstruction of landscape objects				1/0/3		E											
ARC491	Production of design objects	PD,CHH	5	150	0/0/3	105	E								5			
ARC582	Packaging design				1/0/2		E											
ARC489	Regional design	PD,CHH	5	150	1/0/2	105	E									5		
ARC535	Ethnocultural artistic traditions in design				1/0/2		E											
ARC583	Conceptual design	PD,CHH	5	150	0/0/3	105	E									5		
ARC536	Aesthetics in design						E											
AAP417	Educational practice II	PD, CCH	1								1							
AAP408	Production practice I	PD, CCH	2										3					
AAP110	Industrial practice II	PD, CCH	3												1			
M-12. Final assessment module																		
ECA109	Writing and defense of the thesis /project	FA	8															8
M-13. Module of additional types of training																		
AAP500	Military training	ATT	0															
	Total for UNIVERSITY:							31	29	31	29	31	29	30	30	31	29	
								60		60		60		60		60		

The number of credits for the entire period of study

Cycle code	Циклы дисциплин	Credits: required component (RC)	university component (UC)	component of choice (CCH)	Total
GED	Cycle of general education disciplines	51	5		56
BD	Cycle of basic disciplines		67	61	236
PD	Cycle of major disciplines		53	31	
	Total for theoretical training:	**51**	**125**	**92**	**292**
FA	Final attestation	8			8
	TOTAL:	**59**	**125**	**92**	**300**

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

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

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

Vice-Rector for Academic Affairs _____ **R.K. Uskenbayeva**

Director of the Institute of A&S them. T.K. Basenov _____ **Kuspangaliyev B.U.**

Head of the Department "Architecture" _____ **Sultanova K.R.**

Specialty Council representative from employers _____ **Mametov A.A.**