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

SATBAYEV UNIVERSITY

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	Audience volume lek/lab/pr	SRO (including SROP) in hours	form of control	1 sem	2 sem	3 sem	4 sem	5 sem	6 sem	7 sem	8 sem	9 sem	10 sem
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

Code	Discipline	Component	Credits	Hours	Form	Contact hrs	Control	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
ARC598	Integrated design engineering I	PD,CHH	5	150	0/0/3*	105	E										
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	PD,CHH	5	150	0/0/3	105	E								5		
ARC608	Pre-project analysis (for designers)						E										
ARC610	Design project II	PD,CHH	5	150	0/0/3	105	E									5	
ARC406	Operational design						E										
ARC493	Comprehensive organization of public spaces	PD,CHH	5	150	0/0/3	105	E									5	

M-11. Training module

Code	Discipline	Component	Credits	Hours	Form	Contact hrs	Control	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
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

Code	Discipline	Component	Credits	Hours	Form	Contact hrs	Control	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
ECA109	Writing and defense of the thesis /project	FA	8														8

M-13. Module of additional types of training

Code	Discipline	Component	Credits	Hours	Form	Contact hrs	Control	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
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	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.