



MAJOR CURRICULUM
for 2021-2022 academic year admission
Educational program 6B02102 - "Design"
Group of Educational programs B031 - "Fashion, interior design and industrial design"

Full-time: study Study duration: 5 years Academic degree: Bachelor of Arts

Year of study	Code	Name of discipline	Cycle	Total Credits	Total hours	classroom volume lect/lab/pr/ISW	IWMS (including IWMSI), in hours	Prerequisites	
1 semester (autumn 2021)									
1	LNG108	English	G	5	150	0/0/3	105	Diagnostic test	
	LNG104	Kazakh (Russian) language	G	5	150	0/0/3	105	Diagnostic test	
	ARC503	Drawing I	B	5	150	0/0/3	105	Diagnostic test	
	MAT101	Mathematics I	B	5	150	0/0/3	105	Diagnostic test	
	MAT163	Analytical geometry	B	5	150	1/0/2	105	Diagnostic test	
	GEN177	Engineering and computer graphics	B	5	150	1/1/1	105	Diagnostic test	
	HUM129	Culturology	G	2	60	1/0/0	45		
	ARC504	Architectural composition	B	5	150	1/0/2	105		
	KFK101	Physical education I	G	2	60	0/0/2	30		
	In total				34	23			
2 semester (spring 2022)									
2	LNG108	English	G	5	150	0/0/3	105		
	LNG104	Kazakh (Russian) language	G	5	150	0/0/3	105		
	HUM100	Modern history of Kazakhstan	G	5	150	1/0/2	105		
	ARC156	Drawing II	B	5	150	0/0/3	105		
	ARC496	Special drawing I	B	5	150	0/0/3	105		
	ARC114	World History of Architecture	B	5	150	2/0/1	105		
	HUM128	Political science	G	2	60	1/0/0	45		
	ARC499	Modern design	B	5	150	1/0/2	105		
	KFK102	Physical education II	G	2	60	0/0/2	30		
	In total				34	21			
3 semester (autumn 2022)									
3	HUM132	Philosophy	G	5	150	1/0/2	105		
	CIV585	Computer graphics in construction drawing	B	5	150	1/2/0	105		
	HUM122	Psychology	G	2	60	1/0/0	45		
	MNG487	Fundamentals of Entrepreneurship, Leadership and Anti-corruption culture	G	3	90	1/0/1	60		
	CHE451	Life safety	G	2	60	1/0/0	45		
	ARC497	Special drawing II	B	5	150	0/0/3	105		
	2201	Elective	B	5	150		105		
	2202	Elective	B	5	150		105		
	AAP103	Physical education III	G	2	60	0/0/2	30		
	In total				34	21			
4 semester (spring 2023)									
4	CSE677	Information and Communication technology	G	5	150	2/1/0	105		
	HUM127	Sociology	G	2	60	1/0/0	45		
	CHE452	Ecology and sustainable development	G	2	60	1/0/0	45		
	ARC498	Building construction	B	5	150	2/1/0	105		
	ARC480	Special Painting	B	5	150	1/0/2	105		
	ARC450	Design I	B	5	150	0/0/3	105		
	2203	Elective	B	5	150		105		
	2204	Elective	B	5	150		105		
	AAP104	Physical education IV	G	2	60	0/0/2	30		
	In total				34	22			
5 semester (autumn 2023)									
5	ARC509	Integrated design I	P	5	150	0/0/3	105		
	ARC510	Integrated design II	P	5	150	0/0/3	105		
	ARC180	Typology of the architectural environment	B	5	150	2/0/1	105		
	3205	Электроника	B	5	150		105		
	3206	Электроника	B	5	150		105		
	3207	Электроника	B	5	150		105		
	In total				30	18			
	6 semester (spring 2024)								
	6	ARC440	Integrated design III	P	5	150	0/0/3	105	
		ARC441	Integrated design IV	P	5	150	0/0/3	105	
3208		Elective	B	5	150		105		
3209		Elective	B	5	150		105		
3210		Elective	B	5	150		105		
3211		Elective	IT	5	150		105		
In total				30	18				
7 semester (autumn 2024)									
7		ARC442	Integrated design V	P	5	150	0/0/3	105	
		ARC443	Integrated design VI	P	5	150	0/0/3	105	
	4212	Elective	B	5	150		105		
	4213	Elective	B	5	150		105		
	4214	Elective	B	5	150		105		
	4215	Elective	B	5	150		105		
	In total				30	18			
	8 semester (spring 2025)								
	8	ARC444	Integrated design VII	P	5	150	0/0/3	105	
		ARC445	Integrated design VIII	P	5	150	0/0/3	105	
ARC132		Basic of BIM-technology	P	5	150	0/0/3	105		
4216		Elective	P	5	150		105		
4217		Elective	P	5	150		105		
4218		Elective	B	5	150		105		
In total				30	18				
9 semester (autumn 2025)									
9		5319	Elective	P	5	150		105	
		5320	Elective	P	5	150		105	
	5321	Elective	P	5	150		105		
	5322	Elective	P	5	150		105		
	5323	Elective	P	5	150		105		
	5324	Elective	P	5	150		105		
	In total				30	18			
	10 semester (spring 2026)								
	10	ECA003	Preparation and writing of the thesis (project)	FA	6				
		ECA103	Graduate thesis (project) defense	FA	6				
In total				12					

Year of study	Code	Name of discipline	Cycle	Credits	Recommended semester
Obligatory education with PNP assessment					
1	AAP101	Training Practice	B		2
2	AAP112	Training Practice II	B		4
3	AAP109	Industrial internship I	B		6
4	AAP158	Industrial internship II	P		8
Additional types of training					
1	AAP107	Educational field geological internship	G	0	5-7
2-4	AAP500	Military training	B	0	3-6

Total number of credits				
Cycle of disciplines	Credits			
	comp	al-	succ-	total
Cycle of general disciplines (G)	58			58
Cycle of basic disciplines (B)	68	73		141
The cycle of profiling disciplines (P)	47	45		92
Total of theoretical study:		173	118	291
Final attestation (FA)	12	0		12
Total:		185	118	303
OVERALL:		185	118	303

Decision of the Academic Council Satbayev University, Minutes # 3, dated 25.06.2021.

Decision of the Academic Council of the IA&CI after T.K.Basenov, Minutes # 10, dated 11.06.2021.

Vice-Rector for Academic Affairs

Director of IA&C after T.K.Basenov

Head of department "Architecture"

Representative of the Specialty Council

Zhautikov B.A.

Kuspangaliyev B.U.

Khobjikov A.V.

Karmanov Sh.D.



CATALOG OF ELECTIVE DISCIPLINES
 Educational program 6B02102 - "Design"
 Group of Educational programs B031 - "Fashion, interior design and industrial design"

Full-time: study

Study duration: 5 years

Academic degree: Bachelor of Arts

Year of study	Element code for curriculum	Code of discipline	Specialization area	Name of the discipline	Cycle	Credits	lec/lab/pr/ IWS	Prerequisites
3 semester (autumn 2022)								
2	2201	ARC157	Architecture	Sculpture	B	5	0/0/3	
		ARC453	Graphic design	History of design, science and technology			2/0/1	
			Industrial Design					
			Architectural design					
			Landscape design					
	2202	ARC505	Architecture	Painting	B	5	0/0/3	
		ARC461	Graphic design	Ergonomics			2/0/1	
			Industrial Design					
			Architectural design					
			Landscape design					
Total:						10		
4 semester (spring 2023)								
2	2203	ARC435	Architecture	Architecture of industrial buildings	B	3	1/0/1	
		ARC426	Graphic design	Conceptual aspects of the design				
			Industrial Design					
			Architectural design					
			Landscape design					
	2204	ARC508	Architecture	Architectural coloristics and lighting	B	5	2/0/1	
		ARC466	Graphic design	Light-color organization of the environment			1/0/2	
			Industrial Design					
			Architectural design					
			Landscape design					
Total:						8		
5 semester (autumn 2023)								
2	3205	ARC410	Architecture	Photographica	B	5	1/0/2	
			Graphic design					
		ARC187	Industrial Design	The Visual Culture Basics				
			Architectural design					
			Landscape design					
	3206	ARC105	Architecture	Reconstruction of Asian monuments	B	5	2/0/1	
		ARC149	Architecture	Reconstruction of Asian monuments				
		ARC488	Graphic design	TV design			0/0/3	
		ARC489	Industrial Design	Regional Design				
		ARC490	Landscape design	Reconstruction of landscape architecture objects				
3207	ARC115	Architecture	Urban design	B	5	2/0/1		
	ARC452	Graphic design	Calligraphy and typography					
	ARC453	Industrial Design	History of design, science and technology					
	ARC185	Architectural design	Interior History					
	ARC454	Landscape design	History of landscape art					
Total:						15		

3

6 semester (spring 2024)						
3208	ARC145	Architecture	Professional modeling in the architecture IV	P	5	0/0/3
	ARC476	Graphic design	Digital Simulation I			
		Industrial Design				
	ARC477	Architectural design	Modeling technologies in design I			
3209	ARC152	Architecture	Reconstruction and modernization of buildings and complexes	P	5	1/0/2
	ARC463	Graphic design	Design and advertising technologies			
	ARC464	Industrial Design	Typology of industrial design			
	ARC180	Architectural design	Typology of the architectural environment			
3210	ARC479	Landscape design	Landscape science	B	5	2/0/1
	ARC159	Architecture	Modern materials in architecture			
	ARC183	Graphic design	Modern materials in design			
		Industrial Design				
Architectural design						
3211	ARC456	Architecture	Aesthetics in architecture	B	5	2/0/1
	ARC457	Graphic design	Polygraphic design			
		Industrial Design				
	ARC459	Landscape design	Decorative plant growing			1/0/2
Total:				20		

4

7 semester (autumn 2024)						
4212	ARC478	Architecture	The principles of sustainable architecture	B	5	2/0/1
	ARC460	Graphic design	Package design			
	ARC461	Industrial Design	Ergonomics			
		Architectural design				
4213	ARC462	Landscape design	Urboecology	B	5	0/0/3
	ARC130	Architecture	The methodology design of architectural objects			
	ARC468	Graphic design	Web Design I			
	ARC469	Industrial Design	Special equipment for environment I			
4214	ARC470	Architectural design	Equipment for recreational urban areas	B	5	0/0/3
	ARC471	Landscape design	Environmental objects of urbanized territories			
	ARC146	Architecture	Professional modeling architecture V			
	ARC480	Graphic design	Special Painting			
Industrial Design						
Architectural design						
4215	ARC481	Landscape design	Vertical layout of landscape architecture objects	B	5	2/0/1
	ARC117	Architecture	Engineering and transport improvement			
	ARC465	Graphic design	Digital Simulation II			
	ARC181	Industrial Design	Construction of object design			
	ARC473	Architectural design	Modeling Technologies in Design II			
	ARC474	Landscape design	Design of hydraulic structures in the urban environment			0/0/3
Total:				20		
8 semester (spring 2025)						
4216	ARC483	Architecture	Energy Efficient design	P	5	1/0/2
	ARC458	Architectural design	Ecological Aspects of Design Design			
		Industrial Design				
		Architectural design				
4317	ARC474	Landscape design	Design of hydraulic structures in the urban environment	B	5	0/0/3
	ARC181	Graphic design	Construction of object design			
		Industrial Design				
		Architectural design				
7218	ARC154	Architecture	Restoration of monuments	B	5	2/0/1
	ARC484	Graphic design	Web Design II			
	ARC485	Industrial Design	Special environment equipment II			
	ARC486	Architectural design	Special equipment for interior			
	ARC487	Landscape design	Technologies of protection and care of vegetation on objects of landscape architecture			0/0/3
Total:				15		

9 semester (autumn 2025)								
5319	ARC135	Architecture	Externship project I	P	5	0/0/3		
		Graphic design						
		Industrial Design						
5320	ARC127	Architectural design	Complex project I	P	5	0/0/3		
		Landscape design						
		Architecture						
5320	ARC136	Architecture	Externship project II	P	5	0/0/3		
		Graphic design						
		Industrial Design						
5321	ARC128	Architectural design	Complex project II	P	5	0/0/3		
		Landscape design						
		Architecture						
5321	ARC403	Architecture	Complex project II	P	5	0/0/3		
		Graphic design						
		Industrial Design						
5321	ARC424	Architectural design	Pre-project analysis in design I	P	5	0/0/3		
		Landscape design						
		Architecture						
5322	ARC404	Architecture	Pre-project analysis II	P	5	0/0/3		
		Graphic design						
		Industrial Design						
5322	ARC431	Architectural design	Pre-project analysis in design II	P	5	0/0/3		
		Landscape design						
		Architecture						
5323	ARC406	Architecture	Detailed design	P	5	0/0/3		
		Graphic design						
		Industrial Design						
5323	ARC416	Architectural design	Working design	P	5	0/0/3		
		Landscape design						
		Architecture						
5324	ARC409	Architecture	Modern regulatory and legal aspects in architecture and urban planning	P	5	2/0/1		
		Graphic design						
		Industrial Design				Production of design objects	5	0/0/3
		Architectural design						
ARC492	Architectural design	Equipment for urban environment	P	5	0/0/3			
ARC493	Landscape design	Complex organization of public spaces						
Total:					30			

5

Number of credits in elective disciplines for the entire period of study	
Cycles of disciplines	Credits
The cycle of general educational disciplines (G)	
The cycle of basic disciplines (B)	73
The cycle of profiling disciplines (P)	45
OVERALL:	118

Decision of the Academic Council of the IA&CI after T.K.Basenov, Minutes # IC, dated "11" 06. 2021.

Head of department "Architecture"

Representative of the Specialty Council

 Khojikov A.V.
 Karmanov Sh.D.