

Federal State Budgetary Educational Institution of Higher Education
 «Ural State University of Architecture and Art»

APPROVED by
 Academic Council of USUAA
 18 April 2019, Minutes 27-01YC-08

APPROVED by
 Rector
 «B» *Il'inskiy*



CURRICULUM

Bachelor training in subject area 07.03.01 Architecture
 Subject Architectural Design

Qualification – Bachelor
 Standard duration– 5 years 6 months
 Tuition format – part-time
 Year of enrolment – 2021

I Academic Schedule

months	September					October				November					December				January				February				March					April				May				June				July				At														
week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50												
year																																																														
I	[18													π	•	•	=	[18					π]	•	•	X	X	XX	=	=	=	=					
II	[18													π	•	•	-	[18					π]	•	•	=	=	-	=	=	=	=					
III	[18													π	•	•	=	[18					π]	•	•	X	X	-	=	=	=	=					
IV	[18													π	•	=	=	[18					π]	•	•	X	X	=	-	=	=	=					
V	[12]	•	X	X	X	X	-	π	=	=	[π]	•	•	•	•	X	X	=	=	=	=	=		
VI	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	π	=	-	=	=	=	=	=									π																							

[] - theoretical
 = - vacations

• - Examination period
 II - Final assessment

X - Practical training

π - National holidays

II. Total workload (credits)

Year	Theoretical part	Practice	Final assessment	Total credits
I	56	4	-	60
II	55	-	-	55
III	52	3	-	55
IV	50	2	-	52
V	45	9	-	54
VI	-	-	24	24
Total	258	18	24	300

III. Detailed curriculum by subject

No.	Name of discipline types of practical training	Workload				Distribution by year and semester											Inte assess (form and d by sem exam test	
		Credits	Academic hours			Year 1		Year 2		Year 3		Year 4		Year 5		6		
			Total	including		1	2	3	4	5	6	7	8	9	10			
				in class	sem	sem	sem	sem	sem	sem	sem	sem	sem	sem	sem		sem	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
B1	Grouping 1. Disciplines	258	9288	2310	6978													
B1.O	Compulsory part	158	5688	1419	4269													
B1.O.1	History (history of Russia, general history)	3	108	9	63+36*		0,5-3,5*										2	
B1.O.2	Foreign language	7	252	54	162+36*	1-3	1-3	1-3*									3	1,2
B1.O.3	Philosophy	4	144	18	90+36*							1-5*					7	
B1.O.4	Health and safety	2	72	9	63							0,5-3,5						7
B1.O.5	Physical training and sports	2	72	9	63								0,5-3,5					8
B1.O.6	Cultural studies	3	108	18	54+36*										1-3*		10	
B1.O.7	Economics	2	72	9	63							0,5-3,5						7
B1.O.8	Law	2	72	9	63										0,5-3,5			10
B1.O.9	Practical stylistics of the Russian language	4	144	36	72+36*										2-4*		10	
B1.O.10	Architectural and construction drawing	3	108	18	90	1-5												1
B1.O.11	Descriptive geometry	3	108	36	72	2-4												1
B1.O.12	Basics of architectural composition	4	144	36	72+36*	2-4*											1	
B1.O.13	Compositional modeling	7	252	72	144+36*		2-4*	2-4									2	3**
B1.O.14	Information technologies and computer-aided visualization	18	648	126	522		1-5	1-5	1-5	1-5	1-5	2-4						2-6, 7**
B1.O.15	Drawing	14	504	252	252	3-1	3-1	2-2	2-2	2-4	2-4							(1-6)**
B1.O.16	Painting	5	180	72	108			2-2	2-4									(3,4)**
B1.O.17	Architectural composition combinatorics	2	72	18	54		1-3											2**
B1.O.18	Sculpture and plastic modelling	3	108	36	72						2-4							6**
B1.O.19	Architectural materials exploration	3	108	18	54+36*	1-3*											1	
B1.O.20	Basic geodesy	2	72	18	54		1-3											2
B1.O.21	Architectural and urban planning ecology	2	72	18	54			1-3										3
B1.O.22	Traffic and pedestrian circulation in urban plans	3	108	18	54+36*				1-3*								4	
B1.O.23	Building site development	2	72	18	54					1-3								5
B1.O.24	Building typology	2	72	18	54					1-3								5**
B1.O.25	Architectural and construction technologies	3	108	18	54+36*							1-3*					8	
B1.O.26	Building services and equipment	3	108	18	54+36*						1-3*						6	
B1.O.27	Architectural physics	5	180	36	108+36*					1-3	1-3*						6	5**
B1.O.28	Architectural structures and theory of engineering design	7	252	72	144+36*			1-3	1-3	2-2*							5	3**, 4**
B1.O.29	Engineering structures	8	288	108	144+36*						2-2	2-2	2-4*				8	6**,7

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Б1.О.30	Computer modelling of building structures	3	108	36	72									3-6				9
Б1.О.31	Structural mechanics	5	180	36	108+36*			1-3	1-3*								4	3
Б1.О.32	Basic higher mathematics	3	108	18	90		1-5											2
Б1.О.33	Basics of urban planning theory	2	72	18	54				1-3									4
Б1.О.34	Contemporary architecture	3	108	18	54+36*								1-3*				8	
Б1.О.35	Design methodology	2	72	18	54							1-3						7
Б1.О.36	Architectural design and construction economics	4	144	24	84+36*									2-7*			9	
Б1.О.37	Basics of financial competence	2	72	18	54									1,5-4,5				9
Б1.О.ДВ	Electives	6	216															
Б1.О.ДВ.1.1	Modern building services and systems, material and energy saving in architecture and urban planning	3	108	18	54+36*										1-3*		10	
Б1.О.ДВ.1.2	Environmental factors in architecture and urban planning																	
Б1.О.ДВ.1.3	Construction process management																	
Б1.О.ДВ.2.1	Architectural treatment of cities	3	108	18	90							1-5						7
Б1.О.ДВ.2.2	Urban environment landscaping																	
Б1.Ф	Part determined by educators and learners	100	3600	891	2709													
Б1.Ф.1	History of spatial arts	15	540	90	270+180*	1-3*	1-3*	1-3*	1-3*	1-3*							1-5	
Б1.Ф.2	Sociology	2	72	18	54					1-3								5
Б1.Ф.3	Design and research methodology	3	108	18	54+36*											1-3*	10	
Б1.Ф.4	Regional issues in history and theory of architecture and urban planning	3	108	18	90								1-5					8
Б1.Ф.5	Architectural design	63	2268	648	1584+36*	4-6	4-6	4-8	4-8	4-8	4-10	2-6	4-14	3-9	4-16*		10	(1-9)**
Б1.Ф.6	Basics of architectural practice	2	72	9	63	0,5-3,5												1
Б1.Ф.7	Theory of conceptual design	2	72	18	54						1-3							6
Б1.Ф.8	Detailed design development	4	144	36	108							1-3	1-3					7,8**
Б1.Ф.9	Professional practice	2	72	18	54									1,5-4,5				9
Б1.Ф.ДВ	Electives	4	144															
Б1.Ф.ДВ.1.1	Architecture and urban planning aesthetics	4	144	18	90+36*										1-5*		10	
Б1.Ф.ДВ.1.2	Basic theory of architecture and other spatial arts																	
Б2	Grouping 2. Practical training	18	648															
Б2.О	Compulsory part	9	324															
Б2.О.1	Introductory academic practice (architectural surveying and geodesy)	4	144				X											2**
Б2.О.2	Academic practice in arts	3	108								X							6**
Б2.О.3	General construction practice (construction process)	2	72										X					8**

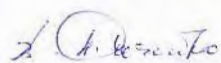
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Б2.Ф	Part determined by educators and learners	9	324															
Б2.Ф.1	Design practice in industry	6	216											X				9**
Б2.Ф.2	Pre-graduation practice in industry	3	108												X			10**
Б3	Grouping 3. Final assessment	24	864															
Б3.1	Preparation and defense of graduate qualification work	24	864													X		
ФТД	Optional disciplines	1	36	9	27								0,5-1,5					8
Total per week		Classroom hours				15,5	15,5	16	14	14	14	11	11	11	10,5	-		
		Self-study hours				32,5	36,5	36	34	34	34	35	37	31	37,5	-		
		Total hours (Б1, ЭД, ФТД)				48	52	52	48	48	48	46	48	42	48	-		
Total per semester		Credits (Б1)				27	29	28	27	26	26	24	26	15	30	-		
		Credits (Б2, Б3)					4		-		3		2	6	3	24		
Year total		Total credits (Б1, Б2, Б3)				60		55		55		52		54		24		
Number of (less Б2,Б3)		Course projects				2	2	2	2	2	2	1	2	1	1	-		
		Course papers				-	-	1	1	-	1	-	-	-	-	-		
		Examinations				3	3	2	3	2	2	1	3	1	6	-		
		Tests				7	7	8	6	7	6	8	5	4	1	-		
		Disciplines				10	10	10	9	9	8	9	8	5	7			

Optional disciplines				Practical training				
No.	Discipline	Semester	Hours/week	No.	Type (focus)	Description	Semester	Week
1.	Professional excellence basics	8	2	1.	Introductory (architectural surveying and geodesy)	Academic	2	2 week.
				2.	Artistic	Academic	6	2 week.
				3.	General construction (construction process)	Academic	8	1 week.
				4.	Design process	In industry.	9	4 week.
				5.	Pre-graduation	In industry	10	2 week.
						Итого		12 week.
Final Assessment				Notes				
1.	Graduate qualification work to be defended before State Examination Commission in Semester 11			* - preparation for examination and actual examination workload constitute 1 credit ** - graded test				

AGREED BY
Vice-Rector for Academic Affairs

Head of Academic Management Unit

Dean of Evening Studies Faculty



Victoria I. Isachenko



Tatiana D. Kolobova



Igor V. Sagaradze