			Form	s of inter	rim assess	ment		Credits	10tal academi				Year 1 Semest	Semest	Year 2 Semest	Semest	Year 3 Semest	Semest	Year 4 Semest	Semest		Assigned department
Name	Unit/ part	Examin	Pass/	Pass/ fail	Term	Module	Calculat ion		As	Work	Self		er 1	er 2	er 3	er 4	er 5	er 6	er 7	er 8		
		ation	fail exam	exam with a grade	project	test	and graphic work	Fact	sheduled	with a teacher	study	Control	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code	Name
Unit 1.Disciplines (modules)								210	7560	3972.3	2788.45	799.25	30	30	30	25	31	22	30	12		
Core part		1	11111		ı		1	122	4392	2303.45	1602.05	486.5	30	30	30	15	9	8				Т
Basis History of Russia	51.0	1	23 1	12224				32	1152 144	710.05	407.2 3.7	34.75	18	10	2	2					71	Department of History
Basics of Russian statehood	Б1.0		1					2	72	59.15	12.85		2								73	Department of Social sciences, pedagogy and law
Legal competence and civil position	Б1.О		1					2	72	35.15	36.85		2								73	Department of Social sciences, pedagogy and law
Philosophy	Б1.О	1						4	144	36.25	73	34.75	4								72	Department of Philosophy and cultural studies
Basics of self-organization, team building and leadership	Б1.0			2				3	108	70.15	37.85			3							52	Department of Management Department of Technosphere safety and
Life safety PE and sport	Б1.О Б1.О		1	1				2	144 72	70.15 16.15	73.85 55.85		2								42 56	environmental engineering Department of PE
Economic culture	Б1.O		2					3	108	70.15	37.85		2	3	-	1					51	Department of Economics and finances
Foreign language Foreign language	51.0		13 13	24 24				8	288 288	212.6 212.6	75.4 75.4		2	2	2	2					45	Department of Foreign languages
Foreign language: Russian as a foreign language Digital module	51.0 51.0	2	13 1	24				8 9	288 324	212.6 160.55	75.4 128.7	34.75	2	2	2	2					55	Department of Russian language
IT and basics of programming	51.0	2	1					6	216	107.4	73.85	34.75	2	4							13	Department of Applied mathematics and Information technologies
Data analysis and artificial intelligence	Б1.О			3				3	108	53.15	54.85				3						13	Department of Applied mathematics and Information technologies
Project module Basics of project activity	51.0 51.0		4	3				5	180 108	75.3 35.15	104.7 72.85				2	3					51	Department of Economics and finances
Social project "Service-learning"	Б1.О			3				2	72	40.15	31.85				2						73	Department of Social sciences, pedagogy and law
Natural science and engineering module	Б1.0	11233 35	22			12233	13	36	1296	643.55	409.2	243.25	10	9	13		4					
Higher mathematics	Б1.O	123	_			123		12	432	214.65	113.1	104.25	4	4	4						13	Department of Applied mathematics and Information technologies
Physics Engineering computer graphics	Б1.О Б1.О	3	2			23	1	6	288 216	90.25	111.25 91	34.75 34.75	6	3	5						25 32	Department of Physics Department of Technological equipment
Engineering mechanics	Б1.O	3	2				3	6	216	125.4	55.85	34.75		2	4						24	engineering Department of Theory of mechanisms and machines and machine parts
Electrical engineering and electronics	Б1.О	5						4	144	71.25	38	34.75					4				22	Department of Power engineering
General professional module	Б1.0	24568	336	34	8		3456	44	1584	792.1	583.4	208.5		5	11	10	5	8		5		Department of Technosphere safety and
Mechanics of liquids and gases Fundamentals of architecture and building structures	Б1.О Б1.О	2		3			3	5 4	180 144	71.25 89.15	74 54.85	34.75		5	4						42 23	environmental engineering Department of Construction
Thermodynamics and heat and mass transfer	Б1.О		3					4	144	53.15	90.85				4						22	Department of Power engineering
Engineering geology and geodesy Building materials	51.0 51.0	4	3	4			4	5	288 180	158.4 89.25	94.85 56	34.75 34.75			3	5					23	Department of Construction Department of Construction
Engineering life support systems in construction Technological processes and means of mechanization in	Б1.О	5					5	5	180	90.25	55	34.75					5				23	Department of Construction
construction Technical operation and monitoring of buildings and	Б1.O	6	6				6	5	180	90.25	55	34.75						5			23	Department of Construction
structures Organization of construction production	Б1.О Б1.О	8	ь		8			3 5	108	53.15 97.25	54.85 48	34.75						3		5	23	Department of Construction Department of Construction
Self-development module (elective disciplines)	Б1.0		23					4	144	70.3	73.7			2	2							
Psychology of communication (Spring)	Б1.О		2					2	72	35.15	36.85			2							73	Department of Social sciences, pedagogy and law
Psychology of communication (Autumn)	51.O		3					2	72 72	35.15 35.15	36.85 36.85			2	2						73 52	Department of Social sciences, pedagogy and law
Personal marketing and branding (Spring) Personal marketing and branding (Autumn)	Б1.О Б1.О		3					2	72	35.15	36.85			2	2						52	Department of Management Department of Management
Cultural studies and intercultural communication (Spring)	Б1.О		2					2	72	35.15	36.85			2							72	Department of Philosophy and cultural studies
Cultural studies and intercultural communication (Autumn)	Б1.О		3					2	72	35.15	36.85				2						72	Department of Philosophy and cultural studies Department of Social sciences, pedagogy
Human and society (Spring) Human and society (Autumn)	Б1.O		2					2	72	35.15	36.85			2	2						73	and law Department of Social sciences, pedagogy
Organization of volunteer activities (Spring)	Б1.О Б1.О		2					2	72 72	35.15 35.15	36.85 36.85			2	2						73 72	and law Department of Philosophy and cultural
Organization of volunteer activities (Spring)	Б1.О		3					2	72	35.15	36.85				2						72	studies Department of Philosophy and cultural studies
Basics of critical thinking (Spring)	Б1.О		2					2	72	35.15	36.85			2							72	Department of Philosophy and cultural studies
Basics of critical thinking (Spring)	Б1.О		3					2	72	35.15	36.85				2						72	Department of Philosophy and cultural studies
Environmental culture (Spring)	Б1.О		2					2	72	35.15	36.85			2							44	Department of Water bioresources and aquaculture
Environmental culture (Autumn) Skills of effective recruitement (Spring)	61.0 61.0		3					2	72 72	35.15 35.15	36.85 36.85			2	2						44 52	Department of Water bioresources and aquaculture Department of Management
Skills of effective recruitement (Spring) Skills of effective recruitement (Autumn)	Б1.O		3					2	72	35.15	36.85			2	2						52	Department of Management
Personal financial management (Spring) Personal financial management (Autumn)	51.0 51.0		3					2	72 72	35.15 35.15	36.85 36.85			2	2						51 51	Department of Economics and finances Department of Economics and finances
Basics of modern managent (Spring)	Б1.О		2					2	72	35.15	36.85			2							52	Department of Management
Basics of modern managent (Autumn) Internet of things (Spring)	Б1.О Б1.О		2					2	72 72	35.15 35.15	36.85 36.85			2	2						52 11	Department of Management Department of Digital systems and
Internet of things (Autumn)	B1.0		3					2	72	35.15	36.85				2						11	automatics Department of Digital systems and automatics
Starting your own business. Start-up (Spring)	51.0		2					2	72	35.15	36.85			2							51	Department of Economics and finances
Starting your own business. Start-up (Autumn) Business communication in Russian (Spring)	Б1.О Б1.О		2					2	72 72	35.15 35.15	36.85 36.85			2	2						51 55	Department of Economics and finances Department of Russian language
Business communication in Russian (Autumn)	Б1.О		3					2	72	35.15	36.85				2						55	Department of Russian language Department of Applied mathematics and
Differential equations (Spring) Differential equations (Autumn)	Б1.О Б1.О		3	-				2	72 72	35.15 35.15	36.85 36.85	-		2	2						13	Information technologies Department of Applied mathematics and
Differential equations (Autumn) Numerical methods (Spring)	Б1.O		2					2	72	35.15	36.85			2	۷.						13	Information technologies Department of Applied mathematics and
Numerical methods (Autumn)	Б1.O		3					2	72	35.15	36.85			Ė	2						13	Information technologies Department of Applied mathematics and Information technologies
Optimization methods and games theory (Spring)	Б1.О		2	L	L			2	72	35.15	36.85			2							13	Information technologies Department of Applied mathematics and Information technologies
Optimization methods and games theory (Autumn)	Б1.О		3					2	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Theory of functions of a complex variable (Spring)	Б1.О		2					2	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Theory of functions of a complex variable (Autumn)	Б1.0		3					2	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies Department of Applied mathematics and
Applied statistics (Spring)	51.0		2					2	72	35.15	36.85			2	7						13	Information technologies Department of Applied mathematics and
Applied statistics (Autumn) Chemistry basis of modern technologies (Spring)	51.0 51.0	L	2	L	<u>L</u>			2	72 72	35.15 35.15	36.85 36.85	L	L	2	2				L		13 35	Information technologies Department of Chemistry
Chemistry basis of modern technologies (Autumn)	Б1.О		3					2	72	35.15 35.15	36.85 36.85			2	2						35 35	Department of Chemistry
Chemistry of polymers (Spring) Chemistry of polymers (Spring)	Б1.О Б1.О		3					2	72 72	35.15 35.15	36.85 36.85			2	2						35 35	Department of Chemistry Department of Chemistry
Basics of engineering mechanics (Spring)	Б1.О		2					2	72	35.15	36.85			2							24	Department of Theory of mechanisms and machines and machine parts
Basics of engineering mechanics (Autumn)	Б1.О		3					2	72	35.15	36.85				2						24	Department of Theory of mechanisms and machines and machine parts
Applied nutritiology (Spring)	51.0		2		-			2	72	35.15	36.85			2	_						31	Department of Food products technology
Applied nutritiology (Autumn)	Б1.О	<u> </u>	3	l	1			2	72	35.15	36.85		l	l	2				l		31	Department of Food products technology

								Credits	S academi				Year 1		Year 2		Year 3		Year 4				
			Form	s of inter	im assess	sment								Semest	Semest	Semest	Semest	Semest	Semest			Assigned department	
Name	Unit/ part			Pass/		1	Calculat					1	er 1	er 2	er 3	er 4	er 5	er 6	er 7	er 8		1	
	Only part	Examin ation	Pass/ fail exam	fail exam with a	Term project	Module test	ion and graphic	Fact	As sheduled	Work with a teacher	Self study	Control	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code	Name	
Part formed by the educational process participants				Luraue I I WO					3168	1668.85	1186.4	312.75				10	22	14	30	12			
Vocational module	61.B	46677 78	5	4567	4567		45667 78	68	2448	1302.5	902.25	243.25				10	9	18	24	7			
Theoretical foundations of creating a microclimate in buildings	Б1.В			4			4	5	180	89.15	90.85					5					23	Department of Construction	
Centralized heat supply and heating systems	Б1.В	4		5	4		5	10	360	200.4	124.85	34.75				5	5				23	Department of Construction	
Blowers in TGV systems	Б1.B			6			6	5	180	123.15	56.85							5			23	Department of Construction	
Ventilation	Б1.В	6	5		5		6	10	360	217.4	107.85	34.75					4	6			23	Department of Construction	
Gas supply	Б1.B	6			6			7	252	128.25	89	34.75						7			23	Department of Construction	
Air conditioning and refrigeration	Б1.B	7			7			8	288	146.25	107	34.75							8		23	Department of Construction	
Information modeling of buildings	Б1.В			7				4	144	70.15	73.85								4		23	Department of Construction	
Automation of TGV systems	Б1.В	7				t t	7	6	216	108.25	73	34.75							6		23	Department of Construction	
Energy saving in heat, gas supply and ventilation systems	51.B	7					7	6	216	94.25	87	34.75							6		23	Department of Construction	
Diagnostics and reliability principles of TGV systems	51.B	8					8	7	252	125.25	92	34.75							_	7	23	Department of Construction	
Project module	61.B			57				12	432	288	144	34.73					6		6		2.5	Separament of Construction	
Project workshop 1	61.B			5				6	216	144	72						6		-			+	
Research track	Б1.B			5				6	216	144	72						6				86	Project center	
Digital instruments	51.B			5				6	216	144	72						6				86	Project center	
Technological track	51.B		1	5				6	216	144	72				1		6				86	Project center	
Engineering track	51.B		1	5				6	216	144	72				1		6				86	Project center	
Service track	61.B		1	5				6	216	144	72				1		6				86	Project center	
Project workshop 2	61.B		1	7	-			6	216	144	72				1		- 0		6		00	Project center	
Research track	51.B			7				6	216	144	72								6		86	Project center	
Digital instruments	51.B		1	7				6	216	144	72				1				6		86	Project center	
Technological track	51.B		1	7				6	216	144	72				1				6		86	Project center	
Engineering track	51.B		1	7				6	216	144	72				1				6		86	Project center	
Service track	51.B			7				6	216	144	72								6		86	Project center	
Graduation thesis as a start-up	51.B			78				6	216	144	72								3	3	86	Project center	
Unit 2. practical training	D1.D		l	70		l .		24	864	864	12				1	6		6	3	12	00	Project center	
Core part								24	864	864					1	6		6		12			
Academic practice	Б2.О	1	1	4		1 1		6	216	216					1	6		- 0		12			
Exploratory practice	52.O		1	4				6	216	216					1	6					23	Department of Construction	
Production practice	62.0			68				18	648	648						0		6		12	23	Department of Construction	
Project module	Б2.O			6				6	216	216	-	 			-			6		12		+	
Technological practice	52.O			6				6	216	216					-			6			23	Department of Construction	
Project practice	52.O 52.O			8				12	432	432					†			-		12	23	Department of Construction	
Unit 3.State final examination	52.0		-		1	1		6	216	132	1	216	1		1		1			6	23	Deparament or Construction	
Preparation for the defense procedure and defense of the	Б3							6	216			216								6	23	Department of Construction	
final qualification work Elective courses		l	1	l	1	<u> </u>		6	216	105.45	110.55			4	2					Ė			
Elementary mathematics	ФТД	1	2					2	72	35.15	36.85	l	-	2	1		-				13	Department of Applied mathematics and	
The historical role of Russia in the system of international		-		-									-		1		-					Information technologies	
relations	ФТД		2					2	72	35.15	36.85			2							71	Department of History	
The Great Patriotic War: no statute of limitations	ФТД	<u> </u>	3	<u> </u>				2	72	35.15	36.85				2		<u> </u>				71	Department of History	
Complex modules				_					436	334	102	ļ			<u> </u>								
Module "Basics of military training"	K.M	-	1	5				-	108	78	30		-		1		-						
Module "Basics of military training"	Б1.0		1	5		 		-	108	78	30	-			1								
Basics of military training (Autumn)	51.O		1	5		 		-	108	78	30	-			1								
Basics of military training (Spring)	Б1.О К.М	<u> </u>		6	-				108 328	78 256	30 72	<u> </u>	<u> </u>	-	<u> </u>	-			-	-	-		
Module "Physical education and sport"		-	24	-	-			<u> </u>				!	-	-	 	-	-		-	-		Descriptions of DE	
Practical training in PE and sport (elective course)	K.M		24		<u> </u>			l	328	256	72				l	l			<u> </u>	<u> </u>	56	Department of PE	