

Name	Unit/ part	Forms of interim assessment						Credits	Total				Year 1		Year 2		Year 3		Year 4		Assigned department		
		Examination	Pass/ fail exam	Pass/ fail exam with a grade	Term project	Module test	Calculation and graphic work		Fact	As scheduled	Work with a teacher	Self study	Control	Semest. er 1	Semest. er 2	Semest. er 3	Semest. er 4	Semest. er 5	Semest. er 6	Semest. er 7	Semest. er 8	Code	Name
Unit 1.Disciplines (modules)								210	7560	3972.3	2788.45	799.25	30	30	30	25	31	22	30	12			
Core part								122	4392	2303.45	1602.05	486.5	30	30	30	15	9	8					
Basics	51.0	1	1111123	12224				32	1152	710.05	407.2	34.75	18	10	2	2							
History of Russia	51.0		1	2				4	144	140.3	3.7		2	2							71	Department of History	
Basics of Russian statehood	51.0		1					2	72	59.15	12.85		2								73	Department of Social sciences, pedagogy and law	
Legal competence and civil position	51.0		1					2	72	35.15	36.85		2								73	Department of Social sciences, pedagogy and law	
Philosophy	51.0	1						4	144	36.25	73	34.75	4								72	Department of Philosophy and cultural studies	
Basics of self-organization, team building and leadership	51.0			2				3	108	70.15	37.85			3							52	Department of Management	
Life safety	51.0			1				4	144	70.15	73.85		4								42	Department of Technosphere safety and environmental engineering	
PE and sport	51.0		1					2	72	16.15	55.85		2								56	Department of PE	
Economic culture	51.0		2					3	108	70.15	37.85			3							51	Department of Economics and finances	
Foreign language	51.0		13	24				8	288	212.6	75.4		2	2	2	2							
Foreign language	51.0		13	24				8	288	212.6	75.4		2	2	2	2					45	Department of Foreign languages	
Foreign language: Russian as a foreign language	51.0		13	24				8	288	212.6	75.4		2	2	2	2					55	Department of Russian language	
Digital module	51.0	2	1	3				9	324	160.55	128.7	34.75	2	4	3								
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	51.0			3				3	108	53.15	54.85				3						13	Department of Applied mathematics and Information technologies	
Project module	51.0		4	3				5	180	75.3	104.7				2	3							
Basics of project activity	51.0		4					3	108	35.15	72.85						3				51	Department of Economics and finances	
Social project "Service-learning"	51.0			3				2	72	40.15	31.85				2						73	Department of Social sciences, pedagogy and law	
Natural science and engineering module	51.0	1123335	22			12233	13	36	1296	643.55	409.2	243.25	10	9	13		4						
Higher mathematics	51.0	123				123		12	432	214.65	113.1	104.25	4	4	4						13	Department of Applied mathematics and Information technologies	
Physics	51.0	3	2			23		8	288	142	111.25	34.75		3	5						25	Department of Physics	
Engineering computer graphics	51.0	1					1	6	216	90.25	91	34.75	6								32	Department of Technological equipment engineering	
Engineering mechanics	51.0	3	2				3	6	216	125.4	55.85	34.75		2	4						24	Department of Theory of mechanisms and machines and machine parts	
Electrical engineering and electronics	51.0	5						4	144	71.25	38	34.75					4				22	Department of Power engineering	
General professional module	51.0	24568	336	34	8		3456	44	1584	792.1	583.4	208.5		5	11	10	5	8		5			
Mechanics of liquids and gases	51.0	2						5	180	71.25	74	34.75		5							42	Department of Technosphere safety and environmental engineering	
Fundamentals of architecture and building structures	51.0			3			3	4	144	89.15	54.85				4						23	Department of Construction	
Thermodynamics and heat and mass transfer	51.0		3					4	144	53.15	90.85				4						22	Department of Power engineering	
Engineering geology and geodesy	51.0		3	4			4	8	288	158.4	94.85	34.75			3	5					23	Department of Construction	
Building materials	51.0	4						5	180	89.25	56	34.75				5					23	Department of Construction	
Engineering life support systems in construction	51.0	5					5	5	180	90.25	55	34.75					5				23	Department of Construction	
Technological processes and means of mechanization in construction	51.0	6					6	5	180	90.25	55	34.75						5			23	Department of Construction	
Technical operation and monitoring of buildings and structures	51.0		6					3	108	53.15	54.85						3				23	Department of Construction	
Organization of construction production	51.0	8			8			5	180	97.25	48	34.75								5	23	Department of Construction	
Self-development module (elective disciplines)	51.0		23					4	144	70.3	73.7			2	2								
Psychology of communication (Spring)	51.0		2					2	72	35.15	36.85			2							73	Department of Social sciences, pedagogy and law	
Psychology of communication (Autumn)	51.0		3					2	72	35.15	36.85				2						73	Department of Social sciences, pedagogy and law	
Personal marketing and branding (Spring)	51.0		2					2	72	35.15	36.85			2							52	Department of Management	
Personal marketing and branding (Autumn)	51.0		3					2	72	35.15	36.85				2						52	Department of Management	
Cultural studies and intercultural communication (Spring)	51.0		2					2	72	35.15	36.85			2							72	Department of Philosophy and cultural studies	
Cultural studies and intercultural communication (Autumn)	51.0		3					2	72	35.15	36.85				2						72	Department of Philosophy and cultural studies	
Human and society (Spring)	51.0		2					2	72	35.15	36.85			2							73	Department of Social sciences, pedagogy and law	
Human and society (Autumn)	51.0		3					2	72	35.15	36.85				2						73	Department of Social sciences, pedagogy and law	
Organization of volunteer activities (Spring)	51.0		2					2	72	35.15	36.85			2							72	Department of Philosophy and cultural studies	
Organization of volunteer activities (Spring)	51.0		3					2	72	35.15	36.85				2						72	Department of Philosophy and cultural studies	
Basics of critical thinking (Spring)	51.0		2					2	72	35.15	36.85			2							72	Department of Philosophy and cultural studies	
Basics of critical thinking (Spring)	51.0		3					2	72	35.15	36.85				2						72	Department of Philosophy and cultural studies	
Environmental culture (Spring)	51.0		2					2	72	35.15	36.85			2							44	Department of Water bioresources and aquaculture	
Environmental culture (Autumn)	51.0		3					2	72	35.15	36.85				2						44	Department of Water bioresources and aquaculture	
Skills of effective recruitment (Spring)	51.0		2					2	72	35.15	36.85			2							52	Department of Management	
Skills of effective recruitment (Autumn)	51.0		3					2	72	35.15	36.85				2						52	Department of Management	
Personal financial management (Spring)	51.0		2					2	72	35.15	36.85			2							51	Department of Economics and finances	
Personal financial management (Autumn)	51.0		3					2	72	35.15	36.85				2						51	Department of Economics and finances	
Basics of modern management (Spring)	51.0		2					2	72	35.15	36.85			2							52	Department of Management	
Basics of modern management (Autumn)	51.0		3					2	72	35.15	36.85				2						52	Department of Management	
Internet of things (Spring)	51.0		2					2	72	35.15	36.85			2							11	Department of Digital systems and automatics	
Internet of things (Autumn)	51.0		3					2	72	35.15	36.85				2						11	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)	51.0		3					2	72	35.15	36.85				2						51	Department of Economics and finances	
Business communication in Russian (Spring)	51.0		2					2	72	35.15	36.85			2							55	Department of Russian language	
Business communication in Russian (Autumn)	51.0		3					2	72	35.15	36.85				2						55	Department of Russian language	
Differential equations (Spring)	51.0		2					2	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies	
Differential equations (Autumn)	51.0		3					2	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies	
Numerical methods (Spring)	51.0		2					2	72	35.15													

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														Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code	Name					
Part formed by the educational process participants														88	3168	1668.85	1186.4	312.75				10	22	14	30	12		
Vocational module	Б1.В	4667778	5	4567	4567		4566778	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.В			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.В	6			6		7	252	128.25	89	34.75							7				23	Department of Construction					
Air conditioning and refrigeration	Б1.В	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					7	6	216	108.25	73	34.75								6		23	Department of Construction					
Energy saving in heat, gas supply and ventilation systems	Б1.В	7					7	6	216	94.25	87	34.75								6		23	Department of Construction					
Diagnostics and reliability principles of TGV systems	Б1.В	8					8	7	252	125.25	92	34.75									7	23	Department of Construction					
Project module	Б1.В			57				12	432	288	144						6		6									
Project workshop 1	Б1.В			5				6	216	144	72						6											
Research track	Б1.В			5				6	216	144	72						6					86	Project center					
Digital instruments	Б1.В			5				6	216	144	72						6					86	Project center					
Technological track	Б1.В			5				6	216	144	72						6					86	Project center					
Engineering track	Б1.В			5				6	216	144	72						6					86	Project center					
Service track	Б1.В			5				6	216	144	72						6					86	Project center					
Project workshop 2	Б1.В			7				6	216	144	72								6									
Research track	Б1.В			7				6	216	144	72								6			86	Project center					
Digital instruments	Б1.В			7				6	216	144	72								6			86	Project center					
Technological track	Б1.В			7				6	216	144	72								6			86	Project center					
Engineering track	Б1.В			7				6	216	144	72								6			86	Project center					
Service track	Б1.В			7				6	216	144	72								6			86	Project center					
Graduation thesis as a start-up	Б1.В			78				6	216	144	72									3	3	86	Project center					
Unit 2. practical training								24	864	864						6		6		12								
Core part								24	864	864						6		6		12								
Academic practice	Б2.О			4				6	216	216						6												
Exploratory practice	Б2.О			4				6	216	216						6						23	Department of Construction					
Production practice	Б2.О			68				18	648	648								6		12								
Project module	Б2.О			6				6	216	216								6										
Technological practice	Б2.О			6				6	216	216								6				23	Department of Construction					
Project practice	Б2.О			8				12	432	432											12	23	Department of Construction					
Unit 3.State final examination								6	216			216								6								
Preparation for the defense procedure and defense of the final qualification work	Б3							6	216			216									6	23	Department of Construction					
Elective courses								6	216	105.45	110.55			4	2													
Elementary mathematics	ФТД			2				2	72	35.15	36.85			2								13	Department of Applied mathematics and Information technologies					
The historical role of Russia in the system of international relations	ФТД			2				2	72	35.15	36.85			2								71	Department of History					
The Great Patriotic War: no statute of limitations	ФТД			3				2	72	35.15	36.85				2							71	Department of History					
Complex modules									436	334	102																	
Module "Basics of military training"	К.М			5					108	78	30																	
Module "Basics of military training"	Б1.О			5					108	78	30																	
Basics of military training (Autumn)	Б1.О			5					108	78	30																	
Basics of military training (Spring)	Б1.О			6					108	78	30																	
Module "Physical education and sport"	К.М			24					328	256	72																	
Practical training in PE and sport (elective course)	К.М			24					328	256	72											56	Department of PE					