

Name	Unit/ part	Forms of interim assessment						Credits	Total academic hours					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	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	Code	Name
Unit 1.Disciplines (modules)								210	7560	4009.75	2751	799.25	30	30	30	25	29	24	28	14			
Core part								122	4392	2303.45	1602.05	486.5	30	30	30	15	9	8					
Basics	Б1.О	1	1111123	12224				32	1152	710.05	407.2	34.75	18	10	2	2							
History of Russia	Б1.О		1	2				4	144	140.3	3.7		2	2							71	Department of History	
Basics of Russian statehood	Б1.О		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.О			2				3	108	70.15	37.85			3							52	Department of Management	
Life safety	Б1.О			1				4	144	70.15	73.85		4								42	Department of Technosphere safety and environmental engineering	
PE and sport	Б1.О		1					2	72	16.15	55.85		2								56	Department of PE	
Economic culture	Б1.О		2					3	108	70.15	37.85			3							51	Department of Economics and finances	
Foreign language	Б1.О		13	24				8	288	212.6	75.4		2	2	2	2							
Foreign language	Б1.О		13	24				8	288	212.6	75.4			2	2	2	2				45	Department of Foreign languages	
Foreign language: Russian as a foreign language	Б1.О		13	24				8	288	212.6	75.4		2	2	2	2	2				55	Department of Russian language	
Digital module	Б1.О	2	1	3				9	324	160.55	128.7	34.75	2	4	3								
IT and basics of programming	Б1.О	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	Б1.О		4	3				5	180	75.3	104.7					2	3						
Basics of project activity	Б1.О		4					3	108	35.15	72.85					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.О	1123335	22				12233	13	36	1296	643.55	409.2	243.25	10	9	13		4					
Higher mathematics	Б1.О	123					123		12	432	214.65	113.1	104.25	4	4	4					13	Department of Applied mathematics and information technologies	
Physics	Б1.О	3	2				23		8	288	142	111.25	34.75		3	5					25	Department of Physics	
Engineering computer graphics	Б1.О	1					1	6	216	90.25	91	34.75	6								32	Department of Technological equipment engineering	
Engineering mechanics	Б1.О	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	Б1.О	5						4	144	71.25	38	34.75					4				22	Department of Power engineering	
General professional module	Б1.О	24568	356	34	8	2	356	42	1512	758.4	545.1	208.5		5	7	10	7	8		5			
Chemistry	Б1.О	2					2	5	180	71.55	73.7	34.75		5							35	Department of Chemistry	
Fundamentals of architecture and building structures	Б1.О			3			3	4	144	89.15	54.85				4						23	Department of Construction	
Engineering geology and geodesy	Б1.О		3	4				8	288	142.4	110.85	34.75			3	5					23	Department of Construction	
Building materials	Б1.О	4						5	180	89.25	56	34.75				5					23	Department of Construction	
Fundamentals of geotechnics	Б1.О		5					2	72	35.15	36.85						2				23	Department of Construction	
Engineering life support systems in construction	Б1.О	5					5	5	180	90.25	55	34.75					5				23	Department of Construction	
Technological processes and mechanization in construction	Б1.О	6					6	5	180	90.25	55	34.75						5			23	Department of Construction	
Technical operation and monitoring of buildings and structures	Б1.О		6					3	108	53.15	54.85						3				23	Department of Construction	
Organization of construction production	Б1.О	8				8		5	180	97.25	48	34.75								5	23	Department of Construction	
Self-development module (elective disciplines)	Б1.О		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)	Б1.О		3					2	72	35.15	36.85				2						73	Department of Social sciences, pedagogy and law	
Personal marketing and branding (Spring)	Б1.О		2					2	72	35.15	36.85			2							52	Department of Management	
Personal marketing and branding (Autumn)	Б1.О		3					2	72	35.15	36.85				2						52	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	
Human and society (Spring)	Б1.О		2					2	72	35.15	36.85			2							73	Department of Social sciences, pedagogy and law	
Human and society (Autumn)	Б1.О		3					2	72	35.15	36.85				2						73	Department of Social sciences, pedagogy and law	
Organization of volunteer activities (Spring)	Б1.О		2					2	72	35.15	36.85			2							72	Department of Philosophy and cultural studies	
Organization of volunteer activities (Spring)	Б1.О		3					2	72	35.15	36.85				2						72	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 agriculture	
Environmental culture (Autumn)	Б1.О		3					2	72	35.15	36.85				2						44	Department of Water bioresources and agriculture	
Skills of effective recruitment (Spring)	Б1.О		2					2	72	35.15	36.85			2							52	Department of Management	
Skills of effective recruitment (Autumn)	Б1.О		3					2	72	35.15	36.85				2						52	Department of Management	
Personal financial management (Spring)	Б1.О		2					2	72	35.15	36.85			2							51	Department of Economics and finances	
Personal financial management (Autumn)	Б1.О		3					2	72	35.15	36.85				2						51	Department of Economics and finances	
Basics of modern management (Spring)	Б1.О		2					2	72	35.15	36.85			2							52	Department of Management	
Basics of modern management (Autumn)	Б1.О		3					2	72	35.15	36.85				2						52	Department of Management	
Internet of things (Spring)	Б1.О		2					2	72	35.15	36.85			2							11	Department of Digital systems and automatics	
Internet of things (Autumn)	Б1.О		3					2	72	35.15	36.85				2						11	Department of Digital systems and automatics	
Starting your own business. Start-up (Spring)	Б1.О		2					2	72	35.15	36.85			2							51	Department of Economics and finances	
Starting your own business. Start-up (Autumn)	Б1.О		3					2	72	35.15	36.85				2						51	Department of Economics and finances	
Business communication in Russian (Spring)	Б1.О		2					2	72	35.15	36.85			2							55	Department of Russian language	
Business communication in Russian (Autumn)	Б1.О		3					2	72	35.15	36.85				2						55	Department of Russian language	
Differential equations (Spring)	Б1.О		2					2	72	35.15	36.85			2							13	Department of Applied mathematics and information technologies	
Differential equations (Autumn)	Б1.О		3					2	72	35.15	36.85				2						13	Department of Applied mathematics and information technologies	
Numerical methods (Spring)	Б1.О		2					2	72	35.15	36.85			2							13	Department of Applied mathematics and information technologies	
Numerical methods (Autumn)	Б1.О		3					2	72	35.15	36.85				2						13	Department of Applied mathematics and information technologies	
Optimization methods and games theory (Spring)	Б1.О		2					2	72	35.15	36.85			2							13	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.О		3					2	72	35.15	36.85				2						13	Department of Applied mathematics and information technologies	
Applied statistics (Spring)	Б1.О		2					2	72	35.15	36.85			2							54	Department of Economic theory and instrumental methods	
Applied statistics (Autumn)	Б1.О		3					2	72	35.15	36.85				2						54	Department of Economic theory and instrumental methods	
Chemistry basis of modern technologies (Spring)	Б1.О		2					2	72	35.15	36.85			2							35	Department of Chemistry	
Chemistry basis of modern technologies (Autumn)	Б1.О		3					2	72	35.15	36.85				2						35	Department of Chemistry	
Chemistry of polymers (Spring)	Б1.О		2					2	72	35.15	36.85			2							35	Department of Chemistry	
Chemistry of polymers (Spring)	Б1.О		3					2	72	35.15	36.85				2						35	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 nutritionology (Spring)	Б1.О		2					2	72	35.15	36.85			2							31	Department of Food products technology	
Applied nutritionology (Autumn)	Б1.О		3					2	72	35.15	36.85				2						31	Department of Food products technology	
Part formed by the educational process participants								88	3168	1706.3	1148.95	312.75				10	20	16	28	14			

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		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	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8			
														Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code	Name	
Vocational module	51.B	445667778	556	678	4567		456677788	70	2520	1321.15	886.1	312.75					10	13	16	22	9			
Architectural and construction design of buildings and structures	51.B	45			45			10	360	186.5	104	69.5					5	5				23	Department of Construction	
Strength of materials and structural mechanics	51.B	46	5				456	14	504	269.65	164.85	69.5					5	4	5			23	Department of Construction	
Reinforced concrete and stone structures	51.B	6	5		6			9	324	181.4	107.85	34.75						4	5			23	Department of Construction	
Information modeling of buildings	51.B			6				3	108	70.15	37.85								3			23	Department of Construction	
Metal structures	51.B	7	6		7		6	9	324	164.4	124.85	34.75							3	6		23	Department of Construction	
Wood and plastic structures	51.B			7			7	5	180	107.15	72.85									5		23	Department of Construction	
Technology of construction of buildings and structures	51.B	7						7	6	216	90.25	91	34.75								6	23	Department of Construction	
Foundations and foundations of buildings and structures	51.B	7						7	5	180	90.25	55	34.75								5		23	Department of Construction
Software packages for calculating building structures	51.B			8			8	4	144	67.15	76.85										4	23	Department of Construction	
Inspection of buildings and strengthening of building structures	51.B	8					8	5	180	94.25	51	34.75									5	23	Department of Construction	
Project module	51.B			57				12	432	288	144							6		6				
Project workshop 1	51.B			5				6	216	144	72							6						
Research track	51.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			5				6	216	144	72							6				86	Project center	
Engineering track	51.B			5				6	216	144	72							6				86	Project center	
Service track	51.B			5				6	216	144	72							6				86	Project center	
Project workshop 2	51.B			7				6	216	144	72									6				
Research track	51.B			7				6	216	144	72									6		86	Project center	
Digital instruments	51.B			7				6	216	144	72									6		86	Project center	
Technological track	51.B			7				6	216	144	72									6		86	Project center	
Engineering track	51.B			7				6	216	144	72									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								24	864	864							6		6		12			
Core part								24	864	864							6		6		12			
Academic practice	52.0			4				6	216	216							6							
Exploratory practice	52.0			4				6	216	216							6					23	Department of Construction	
Production practice	52.0			68				18	648	648									6		12			
Project module	52.0			6				6	216	216									6					
Technological practice	52.0			6				6	216	216									6			23	Department of Construction	
Project practice	52.0			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	53							6	216			216									6	23	Department of Construction	
Elective courses								12	432	245.75	186.25			4	2			3	3					
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	
Fundamentals of the theory of calculation of building structures	ФТД		56					6	216	140.3	75.7							3	3			23	Department of Construction	
Complex modules									436	334	102													
Module "Basics of military training"	K.M			5					108	78	30													
Module "Basics of military training"	51.0			5					108	78	30													
Basics of military training (Autumn)	51.0			5					108	78	30													
Basics of military training (Spring)	51.0			6					108	78	30													
Module "Physical education and sport"	K.M		24						328	256	72													
Practical training in PE and sport (elective course)	K.M		24						328	256	72											56	Department of PE	