

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							Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8			
								Fact	As scheduled	Work with a teacher	Self study	Control	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code	Name		
Unit 1.Disciplines (modules)									210	7560	3692.1	3138.15	729.75	30	30	30	25	27	31	32	5			
Core part									122	4392	2303.45	1602.05	486.5	30	30	30	15	9	8					
Basics	51.0	1	11111	23	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	11233	35	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	6	216	90.25	91	34.75	6									32	Department of Technological equipment engineering
Engineering mechanics	51.0	3	2				3	6	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	4	144	71.25	38	34.75					4					22	Department of Power engineering
General professional module	51.0	24568	36	34	8		356	40	1440	738.85	527.4	173.75		5	8	9	5	8		5				
Mechanics of liquids and gases	51.0	2						5	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	4	144	89.15	54.85				4							23	Department of Construction
Soil mechanics	51.0		3					4	4	144	70.15	73.85				4							42	Department of Technosphere safety and environmental engineering
Engineering geodesy	51.0			4				5	5	180	88.15	91.85					5						23	Department of Construction
Materials science	51.0	4						4	4	144	89.25	20	34.75				4						32	Department of Technological equipment engineering
Engineering life support systems in construction	51.0	5					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	5	180	90.25	55	34.75						5				23	Department of Construction
Technical operation and monitoring of buildings and structures	51.0		6					3	3	108	53.15	54.85							3				23	Department of Construction
Organization of construction production	51.0	8				8			5	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 bioreources and aquaculture
Environmental culture (Autumn)	51.0	3							2	72	35.15	36.85				2							44	Department of Water bioreources 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 managent (Spring)	51.0	2							2	72	35.15	36.85			2								52	Department of Management
Basics of modern managent (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									

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Part formed by the educational process participants									88	3168	1388.65	1536.1	243.25				10	18	23	32	5		
Vocational module	51.B	45677	7	6	45667	8	4567	677	72	2592	1133.55	1249.95	208.5				10	12	20	24	6		
Pipeline transportation of oil and oil products	51.B	4				4			6	216	111.25	70	34.75				6					23	Department of Construction
Pumping and compressor stations	51.B				45				10	360	158.3	201.7				4	6					23	Department of Construction
Pipeline transportation of natural gas	51.B	5				5			6	216	111.25	70	34.75					6				23	Department of Construction
Oil depots and filling stations	51.B				67	6			8	288	160.3	127.7						4	4			23	Department of Construction
Underground gas storage	51.B	6							6	216	71.25	110	34.75					6				23	Department of Construction
Construction and repair of gas and oil pipelines	51.B	7			6			67	11	396	179.4	181.85	34.75					5	6			23	Department of Construction
Automation of technological processes of pipeline transport	51.B			6					5	180	70.15	109.85						5				11	Department of Digital systems and automatics
Gas supply	51.B	7				7			7	252	111.25	106	34.75							7		23	Department of Construction
Transport, storage and distribution of liquefied gases	51.B				8				6	216	70.15	145.85									6	23	Department of Construction
Diagnostics of gas and oil pipelines and gas and oil storage facilities	51.B	7						7	7	252	90.25	127	34.75							7		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									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"	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