

Name	Forms of interim assessment						Credits	Total academic hours							Year 1		Year 2		Year 3		Year 4		Assigned department							
															Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8								
	Examination	Pass/ fail exam	Pass/ fail exam with a grade	Term project	Control	Calculation and graphic work		Expert	Expert	Work with a teacher	Classroom	Self study	Control	Practical training	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code	Name						
Unit 1.Disciplines (modules)														201	7236	3897.35	3520	2539.4	799.25		30	30	29	22	28	23	28	11		
Core part														125	4500	2417.1	2176	1631.15	451.75		30	30	29	9	12	11	4			
Basics														32	1152	717.05	652	400.2	34.75		18	10	2	2						
History of Russia														4	144	140.3	128	3.7			2	2						71	Department of History	
Basics of Russian statehood														2	72	66.15	60	5.85			2							73	Department of Social sciences, pedagogy and law	
Legal competence and civil position														2	72	35.15	32	36.85			2							73	Department of Social sciences, pedagogy and law	
Philosophy														4	144	36.25	32	73	34.75		4							72	Department of Philosophy and cultural studies	
Basics of self-organization, team building and leadership														3	108	70.15	64	37.85				3						52	Department of Management	
Life safety														4	144	70.15	64	73.85			4							42	Department of Technosphere safety and environmental engineering	
PE and sport														2	72	16.15	16	55.85			2							56	Department of PE	
Economic culture														3	108	70.15	64	37.85				3						51	Department of Economics and finances	
Foreign language														8	288	212.6	192	75.4			2	2	2	2						
Foreign language														8	288	212.6	192	75.4			2	2	2	2				45	Department of Foreign languages	
Foreign language: Russian as a foreign language														8	288	212.6	192	75.4			2	2	2	2				55	Department of Russian language	
Digital module														9	324	160.55	144	128.7	34.75		2	4	3							
IT and basics of programming														6	216	107.4	96	73.85	34.75		2	4						13	Department of Applied mathematics and Information technologies	
Data analysis and artificial intelligence														3	108	53.15	48	54.85					3					13	Department of Applied mathematics and Information technologies	
Project module														5	180	75.3	68	104.7					2	3						
Basics of project activity														3	108	35.15	32	72.85						3				51	Department of Economics and finances	
Social project "Service-learning"														2	72	40.15	36	31.85					2					73	Department of Social sciences, pedagogy and law	
Natural science and engineering module														36	1296	643.55	576	409.2	243.25		10	9	13		4					
Higher mathematics														12	432	214.65	192	113.1	104.25		4	4	4						13	Department of Applied mathematics and Information technologies
Physics														8	288	142	128	111.25	34.75			3	5						25	Department of Physics
Engineering computer graphics														6	216	90.25	80	91	34.75		6								32	Department of Technological equipment engineering
Engineering mechanics														6	216	125.4	112	55.85	34.75			2	4						24	Department of Theory of mechanisms and machines and machine parts
Electrical engineering and electronics														4	144	71.25	64	38	34.75						4			22	Department of Power engineering	
General professional module														39	1404	750.35	672	514.65	139			5	7	4	8	11	4			
Chemistry														5	180	71.55	64	73.7	34.75			5							35	Department of Chemistry
Engineering geodesy														4	144	89.15	80	54.85					4						23	Department of Construction
Basics of hydrological engineering														3	108	53.15	48	54.85					3						23	Department of Construction
Hydrogeology and engineering geology														4	144	89.25	80	20	34.75					4					23	Department of Construction
Construction materials and products														4	144	88.15	80	55.85						4					23	Department of Construction
Механика грунтов, основания и фундаменты														6	216	110.3	96	105.7							4			23	Department of Construction	
Технологические процессы в строительстве														4	144	72.25	64	37	34.75							4			23	Department of Construction
Путевые работы на внутренних водных путях														7	252	141.4	128	75.85	34.75							3	4		23	Department of Construction
Основы организации и управления в строительстве														2	72	35.15	32	36.85						2					23	Department of Construction
Self-development module (elective disciplines)														4	144	70.3	64	73.7				2	2							
Psychology of communication (Spring)														2	72	35.15	32	36.85				2							73	Department of Social sciences, pedagogy and law
Psychology of communication (Autumn)														2	72	35.15	32	36.85					2						73	Department of Social sciences, pedagogy and law
Personal marketing and branding (Spring)														2	72	35.15	32	36.85				2							52	Department of Management
Personal marketing and branding (Autumn)														3	2	72	35.15	32	36.85					2					52	Department of Management
Cultural studies and intercultural communication (Spring)														2	72	35.15	32	36.85				2							72	Department of Philosophy and cultural studies
Cultural studies and intercultural communication (Autumn)														3	2	72	35.15	32	36.85					2					72	Department of Philosophy and cultural studies
Human and society (Spring)														2	72	35.15	32	36.85				2							73	Department of Social sciences, pedagogy and law
Human and society (Autumn)														3	2	72	35.15	32	36.85					2					73	Department of Social sciences, pedagogy and law
Organization of volunteer activities (Spring)														2	72	35.15	32	36.85				2							72	Department of Philosophy and cultural studies
Organization of volunteer activities (Autumn)														3	2	72	35.15	32	36.85					2					72	Department of Philosophy and cultural studies
Basics of critical thinking (Spring)														2	72	35.15	32	36.85				2							72	Department of Philosophy and cultural studies
Basics of critical thinking (Autumn)														3	2	72	35.15	32	36.85					2					72	Department of Philosophy and cultural studies
Environmental culture (Spring)														2	72	35.15	32	36.85				2							44	Department of Water biosources and aquaculture
Environmental culture (Autumn)														3	2	72	35.15	32	36.85					2					44	Department of Water biosources and aquaculture
Skills of effective recruitment (Spring)														2	72	35.15	32	36.85				2							52	Department of Management
Skills of effective recruitment (Autumn)														3	2	72	35.15	32	36.85					2					52	Department of Management
Personal financial management (Spring)														2	72	35.15	32	36.85				2							51	Department of Economics and finances
Personal financial management (Autumn)														3	2	72	35.15	32	36.85					2					51	Department of Economics and finances
Basics of modern management (Spring)														2	72	35.15	32	36.85				2							52	Department of Management
Basics of modern management (Autumn)														3	2	72	35.15	32	36.85					2					52	Department of Management
Internet of things (Spring)														2	72	35.15	32	36.85				2							11	Department of Digital systems and automatics
Internet of things (Autumn)														3	2	72	35.15	32	36.85					2					11	Department of Digital systems and automatics
Starting your own business. Start-up (Spring)														2	72	35.15	32	36.85				2							51	Department of Economics and finances
Starting your own business. Start-up (Autumn)														3	2	72	35.15	32	36.85					2					51	Department of Economics and finances
Business communication in Russian (Spring)														2	72	35.15	32	36.85				2							55	Department of Russian language
Business communication in Russian (Autumn)														3	2	72	35.15	32	36.85					2					55	Department of Russian language
Differential equations (Spring)														2	72	35.15	32	36.85				2							13	Department of Applied mathematics and Information technologies
Differential equations (Autumn)														3	2	72	35.15	32	36.85					2					13	Department of Applied mathematics and Information technologies
Numerical methods (Spring)														2	72	35.15	32	36.85				2							13	Department of Applied mathematics and Information technologies
Numerical methods (Autumn)														3	2	72	35.15	32	36.85					2					13	Department of Applied mathematics and Information technologies
Optimization methods and games theory (Spring)														2	72	35.15	32	36.85				2							13	Department of Applied mathematics and Information technologies
Optimization methods and games theory (Autumn)														3	2	72	35.15	32	36.85					2					13	Department of Applied mathematics and Information technologies
Theory of functions of a complex variable (Spring)														2	72	35.15	32	36.85				2							13	Department of Applied mathematics and Information technologies
Theory of functions of a complex variable (Autumn)														3	2	72	35.15	32	36.85					2					13	Department of Applied mathematics and Information technologies
Applied statistics (Spring)														2	72	35.15	32	36.85				2							54	Department of Economic theory and instrumental methods
Applied statistics (Autumn)														3	2	72	35.15	32	36.85					2					54	Department of Economic theory and instrumental methods
Chemistry basis of modern technologies (Spring)														2	72	35.15	32	36.85				2							35	Department of Chemistry
Chemistry basis of modern technologies (Autumn)														3	2	72	35.15	32	36.85					2					35	Department of Chemistry
Chemistry of polymers (Spring)																														

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	Examination	Pass/fail exam	Pass/fail exam with a grade	Term project	Control	Calculation and graphic work	Expert	Expert	Work with a teacher	Classroom	Self study	Control	Practical training	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code	Name
Digital tools			7				6	216	144	144	72								6		86	Project center	
Technological track			7				6	216	144	144	72								6		86	Project center	
Engineering track			7				6	216	144	144	72								6		86	Project center	
Service track			7				6	216	144	144	72								6		86	Project center	
Graduation thesis as a start-up			78				6	216	144	144	72								3	3	86	Project center	
Unit 2. Practical training							30	1080	1080	252				4		7		7		12			
Core part							30	1080	1080	252				4		7		7		12			
Academic practice							11	396	396					4		7							
Introductory practice							2		144	144				4								23	Department of Construction
Exploratory practice							4		252	252						7						23	Department of Construction
Production practice							68	19	684	684	252							7		12			
Project module							6		252	252	252							7					
Technological practice							6		252	252	252							7			23	Department of Construction	
Project practice							8			432										12	23	Department of Construction	
Unit 3.State final examination							9	324				324								9			
Preparation for the defense procedure and defense of the final qualification work								9	324			324								9	23	Department of Construction	
Elective courses							14	504	280.9	256	223.1			4	4		3	3					
Elementary mathematics								2	72	35.15	32	36.85			2						13	Department of Applied mathematics and Information technologies	
The historical role of Russia in the system of international relations								2	72	35.15	32	36.85			2						71	Department of History	
The Great Patriotic War: no statute of limitations								3	72	35.15	32	36.85				2					71	Department of History	
Fundamentals of structural calculation theory							56		216	140.3	128	75.7					3	3			23	Department of Construction	
Fundamentals of family education							3		72	35.15	32	36.85				2							
Complex modules								436	334	288	102												
Module "Basics of military training"								108	78	32	30												
Basics of military training (Autumn)								5	108	78	32	30											
Basics of military training (Spring)								6	108	78	32	30											
Module "Physical education and sport"							24		328	256	256	72											
Practical training in PE and sport (elective course)							24		328	256	256	72									56	Department of PE	