

Name	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	Course work	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	
Unit 1. Disciplines (modules)								210	7560	3956.7	2769.3	834	29	31	27	27	30	24	28	14			
Core part								115	4140	2158.35	1529.9	451.75	29	31	17	19	12	7					
Basis of the university	1	1111134	22244					32	1152	710.05	407.2	34.75	15	7	2	8							
History of Russia		1	2					4	144	140.3	3.7		2	2							71	Department of History	
Basics of Russian statehood		1						2	72	59.15	12.85		2								73	Department of Social sciences, pedagogy and law	
Legal competence and civil position		1						2	72	35.15	36.85		2								73	Department of Social sciences, pedagogy and law	
Philosophy	1							4	144	36.25	73	34.75	4								72	Department of Philosophy and cultural studies	
Basics of self-organization, team building and leadership			2					3	108	70.15	37.85			3							52	Department of Management	
Life safety			4					4	144	70.15	73.85					4					42	Department of Technosphere safety and environmental management	
Pe and sport		4						2	72	16.15	55.85					2					56	Department of PE	
Economic culture		1						3	108	70.15	37.85		3								54	Department of Economic theory and instrumental methods	
Foreign language		13	24					8	288	212.6	75.4		2	2	2	2							
Foreign language		13	24					8	288	212.6	75.4		2	2	2	2					45	Department of Foreign languages	
Foreign language: Russian as a foreign language		13	24					8	288	212.6	75.4		2	2	2	2					55	Department of Russian language	
Digital module	2	1	3					9	324	160.55	128.7	34.75	2	4	3								
IT and basics of programming	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			3					3	108	53.15	54.85				3						13	Department of Applied mathematics and Information technologies	
Project module		3	4					5	180	75.3	104.7				3	2							
Social project "Service-learning"		3						3	108	35.15	72.85				3						51	Department of Economics and finances	
Basics of project activity			4					2	72	40.15	31.85					2					73	Department of Social sciences, pedagogy and law	
Natural science and engineering module	11223	12	22			111223	22	34	1224	606.65	443.6	173.75	12	18	4								
Higher mathematics	13	2				123		12	432	213.55	148.95	69.5	5	3	4						13	Department of Applied mathematics and Information technologies	
Chemistry	1					1		4	144	71.55	37.7	34.75	4								35	Department of Chemistry	
Physics	2	1				12		7	252	142	75.25	34.75	3	4							25	Department of Physics	
Engineering computer graphics			2				2	4	144	71.15	72.85			4							32	Department of Technological equipment engineering	
Electrical engineering, electronics and automation			2					3	108	53.15	54.85			3							22	Department of Power engineering	
Technical mechanics	2						2	4	144	55.25	54	34.75		4							24	Department of Theory of mechanisms and machines and machine parts	
Module of field subjects	344556							31	1116	535.5	372	208.5			3	9	12	7					
Engineering surveys for construction	3							3	108	54.25	19	34.75			3						42	Department of Technosphere safety and environmental management	
Hydraulics	4							5	180	107.25	38	34.75				5					42	Department of Technosphere safety and environmental management	

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	Examin ation	Pass/ fail exam	Pass/ fail exam with a grade	Term project	Course work	Module test	Calculat ion and graphic work	Fact	As sheduled	Work with a teacher	Self study	Control	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code	Name
Hydrogasdynamics	4							4	144	71.25	38	34.75				4					42	Department of Technosphere safety and environmental management
Organization and technology of construction of environmental facilities	5							6	216	71.25	110	34.75					6				42	Department of Technosphere safety and environmental management
Geographic information systems	5							6	216	89.25	92	34.75					6				42	Department of Technosphere safety and environmental management
Integrated use and protection of water resources	6							7	252	142.25	75	34.75						7			42	Department of Technosphere safety and environmental management
Self-development module (elective disciplines)		23						4	144	70.3	73.7			2	2							
Psychology of communication (Spring)		2						2	72	35.15	36.85			2							73	Department of Social sciences, pedagogy and law
Psychology of communication (Autumn)		3						2	72	35.15	36.85				2						73	Department of Social sciences, pedagogy and law
Personal marketing and branding (Spring)		2						2	72	35.15	36.85			2							52	Department of Management
Personal marketing and branding (Autumn)		3						2	72	35.15	36.85				2						52	Department of Management
Cultural studies and intercultural communication (Spring)		2						2	72	35.15	36.85			2							72	Department of Philosophy and cultural studies
Cultural studies and intercultural communication (Autumn)		3						2	72	35.15	36.85				2						72	Department of Philosophy and cultural studies
Human and society (Spring)		2						2	72	35.15	36.85			2							73	Department of Social sciences, pedagogy and law
Human and society (Autumn)		3						2	72	35.15	36.85				2						73	Department of Social sciences, pedagogy and law
Organization of volunteer activities (Spring)		2						2	72	35.15	36.85			2							72	Department of Philosophy and cultural studies
Organization of volunteer activities (Spring)		3						2	72	35.15	36.85				2						72	Department of Philosophy and cultural studies
Basics of critical thinking (Spring)		2						2	72	35.15	36.85			2							72	Department of Philosophy and cultural studies
Basics of critical thinking (Spring)		3						2	72	35.15	36.85				2						72	Department of Philosophy and cultural studies
Environmental culture (Spring)		2						2	72	35.15	36.85			2							44	Department of Water bioresources and aquaculture
Environmental culture (Autumn)		3						2	72	35.15	36.85				2						44	Department of Water bioresources and aquaculture
Skills of effective recruitment (Spring)		2						2	72	35.15	36.85			2							52	Department of Management
Skills of effective recruitment (Autumn)		3						2	72	35.15	36.85				2						52	Department of Management
Personal financial management (Spring)		2						2	72	35.15	36.85			2							51	Department of Economics and finances
Personal financial management (Autumn)		3						2	72	35.15	36.85				2						51	Department of Economics and finances
Basics of modern managent (Spring)		2						2	72	35.15	36.85			2							52	Department of Management
Basics of modern managent (Autumn)		3						2	72	35.15	36.85				2						52	Department of Management
Internet of things (Spring)		2						2	72	35.15	36.85			2							11	Department of Digital systems and automatics
Internet of things (Autumn)		3						2	72	35.15	36.85				2						11	Department of Digital systems and automatics
Starting your own business. Start-up (Spring)		2						2	72	35.15	36.85			2							51	Department of Economics and finances
Starting your own business. Start-up (Autumn)		3						2	72	35.15	36.85				2						51	Department of Economics and finances
Business communication in Russian (Spring)		2						2	72	35.15	36.85			2							55	Department of Russian language
Business communication in Russian (Autumn)		3						2	72	35.15	36.85				2						55	Department of Russian language
Differential equations (Spring)		2						2	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Differential equations (Autumn)		3						2	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Numerical methods (Spring)		2						2	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Numerical methods (Autumn)		3						2	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Optimization methods and games theory (Spring)		2						2	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies

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													Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code	Name
Optimization methods and games theory (Autumn)		3						2	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Theory of functions of a complex variable (Spring)		2						2	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Theory of functions of a complex variable (Autumn)		3						2	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Applied statistics (Spring)		2						2	72	35.15	36.85			2							54	Department of Applied mathematics and Information technologies
Applied statistics (Autumn)		3						2	72	35.15	36.85				2						54	Department of Applied mathematics and Information technologies
Chemistry basis of modern technologies (Spring)		2						2	72	35.15	36.85			2							35	Department of Chemistry
Chemistry basis of modern technologies (Autumn)		3						2	72	35.15	36.85				2						35	Department of Chemistry
Chemistry of polymers (Spring)		2						2	72	35.15	36.85			2							35	Department of Chemistry
Chemistry of polymers (Spring)		3						2	72	35.15	36.85				2						35	Department of Chemistry
Basics of engineering mechanics (Spring)		2						2	72	35.15	36.85			2							24	Department of Theory of mechanisms and machines and machine parts
Basics of engineering mechanics (Autumn)		3						2	72	35.15	36.85				2						24	Department of Theory of mechanisms and machines and machine parts
Applied nutritiology (Spring)		2						2	72	35.15	36.85			2							31	Department of Food products technology
Applied nutritiology (Autumn)		3						2	72	35.15	36.85				2						31	Department of Food products technology
Part formed by the educational process participants								95	3420	1798.35	1239.4	382.25			10	8	18	17	28	14		
Vocational module	34566777888		4567	345678			67	83	2988	1510.35	1095.4	382.25			10	8	12	17	22	14		
Hydrometeorology	3			3				10	360	181.25	144	34.75			10							
Section 1. Climatology and meteorology								4	144	88	56				4						42	Department of Technosphere safety and environmental management
Section 2. Hydrology								4	144	88	56				4						42	Department of Technosphere safety and environmental management
Course project on the hydrometeorology module				3				1	36	4	32				1						42	Department of Technosphere safety and environmental management
Comprehensive exam on the hydrometeorology module	3							1	36	1.25		34.75			1						42	Department of Technosphere safety and environmental management
Geology and hydrogeology	4			4				5	180	111.25	34	34.75				5					42	Department of Technosphere safety and environmental management
Engineering geodesy			4					3	108	70.15	37.85					3					42	Department of Technosphere safety and environmental management
Water and wastewater treatment	5			5				7	252	93.25	124	34.75					7				42	Department of Technosphere safety and environmental management
Hydraulic structures	6		5	6				12	432	251.4	145.85	34.75					5	7			42	Department of Technosphere safety and environmental management
Natural-technogenic complexes	67						6	11	396	197.5	129	69.5						5	6		42	Department of Technosphere safety and environmental management
Engineering water supply and sanitation systems	7		6	7				12	432	217.4	179.85	34.75						5	7		42	Department of Technosphere safety and environmental management
Engineering development of the territory			7					4	144	70.15	73.85								4		42	Department of Technosphere safety and environmental management
Land reclamation, reclamation and protection of lands	7						7	5	180	72.25	73	34.75							5		42	Department of Technosphere safety and environmental management
Technogenic systems and environmental risk	8							3	108	54.25	19	34.75								3	42	Department of Technosphere safety and environmental management
Digital technologies in water management	8							5	180	80.25	65	34.75								5	42	Department of Technosphere safety and environmental management
Pumps and pumping stations	8			8				6	216	111.25	70	34.75								6	42	Department of Technosphere safety and environmental management
Project module			57					12	432	288	144						6		6			
Project workshop 1			5					6	216	144	72						6					
Research track			5					6	216	144	72						6				86	Project center

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								Facts					Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code	Name	
Digital instruments			5					6	216	144	72						6			86	Project center	
Technological track			5					6	216	144	72						6			86	Project center	
Engineering track			5					6	216	144	72						6			86	Project center	
Service track			5					6	216	144	72						6			86	Project center	
Project workshop 2			7					6	216	144	72								6			
Research track			7					6	216	144	72								6		86	Project center
Digital instruments			7					6	216	144	72								6		86	Project center
Technological track			7					6	216	144	72								6		86	Project center
Engineering track			7					6	216	144	72								6		86	Project center
Service track			7					6	216	144	72								6		86	Project center
Graduation thesis as a start-up			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			4					6	216	216						6						
Exploratory practice			4					6	216	216						6				42	Department of Technosphere safety and environmental management	
Production practice			68					18	648	648							6		12			
Project module			6					6	216	216							6					
Technological practice			6					6	216	216							6			42	Department of Technosphere safety and environmental management	
Technological practice			8					12	432	432									12	42	Department of Technosphere safety and environmental management	
Unit 3. State final examination								6	216			216							6			
Preparation for the defense procedure and defense of the final qualification work								6	216			216							6	42	Department of Technosphere safety and environmental management	
Elective courses								6	216	105.45	110.55			4	2							
Elementary mathematics		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		2						2	72	35.15	36.85			2						71	Department of History	
The Great Patriotic War: no statute of limitations		3						2	72	35.15	36.85				2					71	Department of History	
Complex modules									436	334	102											
Module "Basics of military training"			5						108	78	30											
Module "Basics of military training"			5						108	78	30											
Basics of military training (Autumn)			5						108	78	30											
Basics of military training (Spring)			6						108	78	30											
Module "Physical education and sport"																						
Practical training in PE and sport (elective course)		13							328	256	72									56	Deaprtment of PE	