

Name	Form of assessment							Credits	Total academic hours						Year 1		Year 2		Year 3		Year 4		Assigned department	
	Examination	Pass/fail test	Pass/fail exam with a grade	Term project	Course work	Module test	Calculation and graphic work		Fact	As scheduled	Work with a teacher	Classroom	Self-study	Control	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code	Name
															Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8		
Unit 1. Disciplines (modules)								210	7560	3622.75	2938	2972.75	964.5	29	25	26	28	31	23	26	22			
Core part								129	4644	2243.3	1842	1919.95	480.75	29	23	18	22	10	12	9	6			
Socio-humanitarian module	11566	23						22	792	359.55	270	346.95	85.5	8	2	3		5	4					
History (history of Russia, general history)								4	144	48.25	30	53	42.75	4								71	Department of History	
Basics of sociocultural communication	11	2						6	216	96.45	90	119.55		4	2									
Culturology and intercultural communications	1							2	72	32.15	30	39.85	2								72	Department of Philosophy and Culturology		
Social science		2						2	72	32.15	30	39.85		2							73	Department of Social sciences, pedagogy and law		
Psychology of communications	1							2	72	32.15	30	39.85	2								73	Department of Social sciences, pedagogy and law		
Philosophy			3					3	108	46.15	30	61.85			3						72	Department of Philosophy and Culturology		
Economics	5							3	108	48.25	30	17	42.75					3				54	Department of Economic theory and instrumental methods	
Law		5						2	72	32.15	30	39.85					2				73	Department of Social sciences, pedagogy and law		
Economy and management in an enterprise		6						2	72	44.15	30	27.85						2			52	Department of Management		
Water, land and environmental law		6						2	72	44.15	30	27.85							2					
Module "Basics of business communications"	123	24						10	360	216.75	206	143.25		2	4	2	2							
Russian language and culture of speech		2						2	72	32.15	30	39.85		2							55	Department of Russian language		
Foreign language		13	24					8	288	194.6	176	103.4	2	2	2	2					45	Department of Foreign languages		
Module "Physical education and sport"	16							2	72	32.3	32	39.7		1					1					
Basics of PE	1							1	36	16.15	16	19.85	1								56	Department of Physical education		
Physical self-perfection		1						1	36	16.15	16	19.85						1			56	Department of Physical education		
Mathematical and natural science module	1124					11223	33	35	1260	572.2	468	458.3	229.5	12	12	8	3							
Chemistry	1					1		4	144	64.55	60	36.7	42.75	4								35	Department of Chemistry	
Informatics	2	1						6	216	96.4	90	76.85	42.75	2	4							13	Department of Applied mathematics and information technologies	
Mathematics	123	1				1223	14	504	234.1	180	159.65	110.25	6	5	3									
Algebra and geometry	1					1		4	144	62.55	44	38.7	42.75	4								13	Department of Applied mathematics and information technologies	
Mathematic analysis	2	1				22		7	252	109	90	109.25	33.75	2	5							13	Department of Applied mathematics and information technologies	
Probability theory and mathematical statistics	3					3		3	108	62.55	46	11.7	33.75				3					13	Department of Applied mathematics and information technologies	
Physics	3	2				23		8	288	123	92	131.25	33.75		3	5						25	Department of Physics	
Mathematical modelling		4						3	108	54.15	46	53.85					3				42	Department of Technosphere safety and environmental management		
Module "Safe living environment"			15					4	144	78.3	74	65.7		2				2						
Ecology and environmental management			1					2	72	32.15	30	39.85	2								44	Department of Water biosources and agriculture		
Life safety			5					2	72	46.15	44	25.85						2			42	Department of Technosphere safety and environmental management		
General professional module	24446	12334	15	4			12234	38	1368	697.3	572	504.95	165.75	4	5	5	17	3	4					
Introduction to profession			1					2	72	44.15	30	27.85	2								42	Department of Technosphere safety and environmental management		
Engineering and computer graphics	2	1					12	5	180	80.4	60	65.85	33.75	2	3							32	Department of Production equipment engineering	
Engineering geodesy		2					2	2	72	49.15	46	22.85		2							42	Department of Technosphere safety and environmental management		
Information technologies			3					3	108	46.15	44	61.85				3					13	Department of Applied mathematics and information technologies		
Engineering mechanics	4	3					34	6	216	100.4	76	82.85	32.75			2	4					24	Department of Theory of machines and mechanisms and machine parts	
Hydraulics	4	4		4				6	216	104.25	90	78	33.75				6					42	Department of Technosphere safety and environmental management	
Soil science		4						3	108	46.15	44	61.85					3				42	Department of Technosphere safety and environmental management		
Methods of scientific research	4							4	144	80.25	60	31	32.75					4				42	Department of Technosphere safety and environmental management	
Electrical Engineering, electronics and automation				5				3	108	66.15	60	41.85					3				22	Department of Power engineering		
Metrology, standardization and certification	6							4	144	80.25	62	31	32.75						4			32	Department of Production equipment engineering	
Professional module	67778	8						18	648	286.9	220	361.1						3	9	6				
Machinery and equipment for environmental management and water use	6							3	108	50.15	34	57.85						3			42	Department of Technosphere safety and environmental management		
Methods for processing hydrological information	7							3	108	54.15	46	53.85							3		42	Department of Technosphere safety and environmental management		
Organization and technology of works on environmental management and water use	7							3	108	52.15	36	55.85							3		42	Department of Technosphere safety and environmental management		
Water management problems of the region	7							3	108	38.15	30	69.85							3		42	Department of Technosphere safety and environmental management		
Water systems management	8							3	108	40.15	30	67.85								3	42	Department of Technosphere safety and environmental management		
Operation and monitoring of systems and structures	8							3	108	52.15	44	55.85								3	42	Department of Technosphere safety and environmental management		
Part formed by the educational process participants								81	2916	1379.45	1096	1052.8	483.75	2	8	6	21	11	17	16				
General professional module	345	57	3		34		5	22	792	400.2	318	281.55	110.25			8	4	7	3					
Hydrogeology and basics of geology	3				3			5	180	89.25	74	57	33.75			5						42	Department of Technosphere safety and environmental management	
Climatology and meteorology			3					3	108	68.15	60	39.85				3					42	Department of Technosphere safety and environmental management		
Hydrology	4				4			4	144	83.25	60	27	33.75				4					42	Department of Technosphere safety and environmental management	
Mechanics of inhomogeneous media motion		5					5	3	108	39.15	30	68.85					3				42	Department of Technosphere safety and environmental management		
Basics of construction	5							4	144	78.25	60	23	42.75					4				42	Department of Technosphere safety and environmental management	
Quality management		7						3	108	42.15	34	65.85							3		42	Department of Technosphere safety and environmental management		
Professional module	55667	7	55		667	557		35	1260	568.8	448	452.7	238.5					14	11	10				
Water management systems and water use	5				5			5	180	87.25	74	50	42.75					5				42	Department of Technosphere safety and environmental management	
Natural-technogenic complexes and fundamentals of environmental management	5				5			4	144	73.25	60	28	42.75					4				42	Department of Technosphere safety and environmental management	
Integrated use of water bodies	6	5			6			8	288	130.4	104	123.85	33.75				2	6			42	Department of Technosphere safety and environmental management		
Hydraulic structures	6	5			6			8	288	118.4	90	126.85	42.75				3	5			42	Department of Technosphere safety and environmental management		
Water supply and sanitation systems	7				7			5	180	80.25	60	57	42.75						5		42	Department of Technosphere safety and environmental management		
Water and wastewater treatment	7				7			5	180	79.25	60	67	33.75						5		42	Department of Technosphere safety and environmental management		
Elective courses	2	2	72	37.15	30	34.85																		
Construction climatology	2	2	72	37.15	30	34.85																42	Department of Technosphere safety and environmental management	
Engineering surveys for construction	2	2	72	37.15	30	34.85																42	Department of Technosphere safety and environmental management	
Elective courses	4	2	72	32.15	30	39.85												2						
Regulatory documents for the design of buildings and engineering structures	4	2	72	32.15	30	39.85												2				23	Department of Construction	
Development and execution of project documentation in construction	4	2	72	32.15	30	39.85												2				23	Department of Construction	
Elective courses	7	4	144	76.25	60	34	33.75													4				
Ameliorative systems operation	7	4	144	76.25	60	34	33.75													4		42	Department of Technosphere safety and environmental management	
Engineering and hydrometeorological surveys	7	4	144	76.25	60	34	33.75													4		42	Department of Technosphere safety and environmental management	
Elective courses	8	5	180	84.25	66	62	33.75														5			
Pumps and pumping stations	8	5	180	84.25	66	62	33.75			</														

