

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 result	Term project	Course work	Module test	Calculation and graphic work	Fact	As scheduled	Work with a teacher	Self study	Control	Semest. at 1	Semest. at 2	Semest. at 3	Semest. at 4	Semest. at 5	Semest. at 6	Semest. at 7	Semest. at 8	Code	Name		
													Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits			Credits	Credits
Unit 1. Disciplines (modules)							210	7560	3784.9	3010.6	764.5	31	29	29	25	30	24	32	10					
Core part							154	5544	2694.9	2258.3	590.75	31	29	29	25	24	16							
Basis	2	11112	21	11224			32	1152	704.05	413.2	34.75	15	13	2	2									
History of Russia		1	2				4	144	140.3	3.7	2	2									71	Department of History		
Basics of Russian statehood		1	2				2	72	53.15	18.85		2									72	Department of Social sciences, pedagogy and law		
Legal competence and civil position		2	2				2	72	35.15	36.85			2								73	Department of Social sciences, pedagogy and law		
Philosophy	2						4	144	36.25	73	34.75		4								72	Department of Philosophy and cultural studies		
Basics of self-organization, team building and leadership			1				3	108	70.15	37.85		3									52	Department of Management		
Life safety			1				4	144	70.15	73.85		4									42	Department of Technosphere safety and environmental protection		
PE and sport		1					2	72	16.15	55.85		2									56	Department of PE		
Economic culture							3	108	70.15	37.85			3								51	Department of Economics and finances		
Foreign language	13	24					8	288	212.6	75.4		2	2	2	2									
Foreign language: English	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		4	3				5	180	75.3	104.7				2	3									
Basics of project activity		4	3				3	108	35.15	72.85											51	Department of Economics and finances		
Social project "service-learning"				3			2	72	40.15	31.85									2		72	Department of Philosophy and cultural studies		
Natural science and engineering module	11233	13	24			11122	3	47	1692	803.3	680.2	208.5	14	10	15	3				5				
Higher mathematics	13	2				123	18	648	321.55	256.95	69.5	6	6	6							13	Department of Applied mathematics and information technologies		
Chemistry	4					1	4	144	71.55	37.7	34.75	4									35	Department of Chemistry		
Physics	2	1				12	8	288	143.4	109.85	34.75	4	4								25	Department of Physics		
Engineering computer graphics	3					3	5	180	72.25	73	34.75			5							32	Department of Technological equipment engineering		
Eco-friendly and safe methods in mechanical engineering	3					4	4	144	70.15	73.85				4							11	Department of Digital systems and automation		
Cost analysis in mechanical engineering			4				3	108	53.15	54.85					3						51	Department of Economics and finances		
Metrology, standardization and certification	6						5	180	71.25	74	34.75										11	Department of Digital systems and automation		
Module of field subjects	34445	5566				56	456	57	2052	881.4	857.85	312.75			5	17	24	11						
Materials science							5	180	71.25	74	34.75				5						32	Department of Technological equipment engineering		
Technical mechanics	4					4	5	180	72.25	73	34.75				5						24	Department of Theory of Mechanisms and machines and machine parts		
Mathematical foundations of the theory of automatic control	4					6	216	71.25	110	34.75					6						13	Department of Applied mathematics and information technologies		
Electrical engineering	4					6	216	89.25	92	34.75					6						22	Department of Power engineering		
Electronics and circuitry	5					5	8	288	127.25	126	34.75					8					11	Department of Digital systems and automation		
Computers, systems and networks	5					6	216	89.25	92	34.75					6						11	Department of Digital systems and automation		
Modern technological equipment	5					6	216	107.25	74	34.75					6						11	Department of Digital systems and automation		
Automatic control theory	6	5				6	5	9	324	145.4	143.85	34.75				4	5				11	Department of Digital systems and automation		
Algorithms and programming	6					6	6	216	108.25	73	34.75										11	Department of Digital systems and automation		
Self-development module (elective disciplines)	23						4	144	70.3	73.7			2	2										
Psychology of communication (Spring)							2	72	35.15	36.85											72	Department of Social sciences, pedagogy and law		
Psychology of communication (Autumn)							2	72	35.15	36.85					2	2					72	Department of Social sciences, pedagogy and law		
Personal marketing and branding (Spring)							2	72	35.15	36.85					2	2					52	Department of Management		
Personal marketing and branding (Autumn)							3	2	72	35.15	36.85					2	2				52	Department of Management		
Cultural studies and intercultural communication (Spring)							2	72	35.15	36.85					2	2					72	Department of Philosophy and cultural studies		
Cultural studies and intercultural communication (Autumn)							3	2	72	35.15	36.85					2	2				72	Department of Philosophy and cultural studies		
Human and society (Spring)							2	72	35.15	36.85					2	2					72	Department of Social sciences, pedagogy and law		
Human and society (Autumn)							3	2	72	35.15	36.85					2	2				72	Department of Social sciences, pedagogy and law		
Organization of volunteer activities (Spring)							2	72	35.15	36.85					2	2					72	Department of Philosophy and cultural studies		
Organization of volunteer activities (Autumn)							3	2	72	35.15	36.85					2	2				72	Department of Philosophy and cultural studies		
Basics of critical thinking (Spring)							2	72	35.15	36.85					2	2					72	Department of Philosophy and cultural studies		
Basics of critical thinking (Autumn)							3	2	72	35.15	36.85					2	2				72	Department of Philosophy and cultural studies		
Environmental culture (Spring)							2	72	35.15	36.85					2	2					44	Department of Water bioresources and aquaculture		
Environmental culture (Autumn)							3	2	72	35.15	36.85					2	2				44	Department of Water bioresources and aquaculture		
Skills of effective recruitment (Spring)							2	72	35.15	36.85					2	2					52	Department of Management		
Skills of effective recruitment (Autumn)							2	72	35.15	36.85					2	2					52	Department of Management		
Personal financial management (Spring)							2	72	35.15	36.85					2	2					51	Department of Economics and finances		
Personal financial management (Autumn)							3	2	72	35.15	36.85					2	2				51	Department of Economics and finances		
Basics of modern management (Spring)							2	72	35.15	36.85					2	2					52	Department of Management		
Basics of modern management (Autumn)							3	2	72	35.15	36.85					2	2				52	Department of Management		
Internet of things (Spring)							2	72	35.15	36.85					2	2					11	Department of Digital systems and automation		
Internet of things (Autumn)							3	2	72	35.15	36.85					2	2				11	Department of Digital systems and automation		
Starting your own business. Start-up (Spring)							2	72	35.15	36.85					2	2					51	Department of Economics and finances		
Starting your own business. Start-up (Autumn)							3	2	72	35.15	36.85					2	2				51	Department of Economics and finances		
Business communication in Russian (Spring)							2	72	35.15	36.85					2	2					55	Department of Russian language		
Business communication in Russian (Autumn)							3	2	72	35.15	36.85					2	2				55	Department of Russian language		
Differential equations (Spring)							2	72	35.15	36.85					2	2					13	Department of Applied mathematics and information technologies		
Differential equations (Autumn)							3	2	72	35.15	36.85					2	2				13	Department of Applied mathematics and information technologies		
Numerical methods (Spring)							2	72	35.15	36.85					2	2					13	Department of Applied mathematics and information technologies		
Numerical methods (Autumn)							3	2	72	35.15	36.85					2	2				13	Department of Applied mathematics and information technologies		
Optimization methods and games theory (Spring)							2	72	35.15	36.85					2	2					13	Department of Applied mathematics and information technologies		
Optimization methods and games theory (Autumn)							3	2	72	35.15	36.85					2	2				13	Department of Applied mathematics and information technologies		
Theory of functions of a complex variable (Spring)							2	72	35.15	36.85					2	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	2				13	Department of Applied mathematics and information technologies		
Applied statistics (Spring)							2	72	35.15	36.85					2	2					13	Department of Applied mathematics and information technologies		
Applied statistics (Autumn)							3	2	72	35.15	36.85					2	2				13	Department of Applied mathematics and information technologies		
Chemistry basis of modern technologies (Spring)							2	72	35.15	36.85					2	2					35	Department of Chemistry		
Chemistry basis of modern technologies (Autumn)							3	2	72	35.15	36.85					2	2				35	Department of Chemistry		
Chemistry of polymers (Spring)							2	72	35.15	36.85					2	2					35	Department of Chemistry		
Chemistry of polymers (Autumn)							3	2	72	35.15	36.85					2	2				35	Department of Chemistry		
Basics of engineering mechanics (Spring)							2	72	35.15	36.85					2	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	2				24	Department of Theory of Mechanisms and machines and machine parts		
Applied metrology (Spring)							2	72	35.15	36.85					2	2					31	Department of Food products technology		
Applied metrology (Autumn)							3	2	72	35.15	36.85					2	2				31	Department of Food products technology		
Part formed by the educational process participants							56	2016	1090															