Name	Examination	Pass/fail exam	Pass/fail exam with a grade	Term project	Course work	Module test	Calculation and graphic work	Credits Fact	Hours in credits	As scheduled	Work with a teacher	Self study	Control	Y1 Sem1 Credits	Y1 Sem2 Credits	Y2 Sem3 Credits	Y2 Sem4 Credits	Y3 Sem5 Credits	Y3 Sem6 Credits	Y4 Sem7 Credits	Y4 Sem8 Credits	Code	Assigned department Name
Unit 1.Disciplines (modules)								210		7560	3816.2	2979.3	764.5	31	29	28	26	29	25	31	11		
Core part								124		4464	2243.95	1803.05	417	31	29	28	26	6	4				
Basis	2	11112 23	11224					32		1152	704.05	413.2	34.75	15	13	2	2						
History of Russia		1	2					4	36	144	140.3	3.7		2	2							71	Department of History
Basics of Russian statehood		1						2	36	72	53.15	18.85		2								72	Department of Social sciences, pedagogy and law
Legal competence and civil position		2						2	36	72	35.15	36.85			2							73	Department of Social sciences, pedagogy and law
Philosophy	2							4	36	144	36.25	73	34.75		4								72	Department of Philosophy and cultural studies
Basics of self-organization, team building and leadership			1					3	36	108	70.15	37.85		3								52	Department of Management
Life safety			1					4	36	144	70.15	73.85		4								42	Department of Technosphere safety and environmental engineering
PE and sport		1						2	36	72	16.15	55.85		2								56	Department of PE
Economic culture		2						3	36	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		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	36	216	107.4	73.85	34.75	2	4							13	Department of Applied mathematics and Information technologies
Data analysis and artificial intelligence			3					3	36	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	36	108	35.15	72.85					3					51	Department of Economics and finances
Social project "Service-learning"			3					2	36	72	40.15	31.85				2						72	Department of Philosophy and cultural studies
Natural science and engineering module	11233 34445	1346	2		4	11223	134	74		2664	1233.75	1082.75	347.5	14	10	19	21	6	4				
Higher mathematics	123					123		18	36	648	322.65	221.1	104.25	6	6	6						13	Department of Applied mathematics and Information technologies
Physics		1	2			12		7	36	252	140.9	111.1		3	4							25	Department of Physics
Engineering computer graphics							1	5	36	180	72.25	73	34.75	5								32	Department of Technological equipment engineering
Programming in high level languages	3						3	5	36	180	108.25	37	34.75			5						12	Department of Applied informatics
Electronics and circuitry	3							5	36	180	71.25	74	34.75			5						11	Department of Digital systems and automatics
Mathematical foundations of computing and programming	4	3					4	8	36	288	125.4	127.85	34.75			3	5					13	Department of Applied mathematics and Information technologies
Databases	4				4			6	36	216	92.25	89	34.75				6					12	Department of Applied informatics
Operation systems		4						4	36	144	70.15	73.85					4					12	Department of Applied informatics
Data transmission and network technologies	4							6	36	216	89.25	92	34.75				6					14	Department of Information security
Computing systems architecture	5							6	36	216	71.25	110	34.75					6				11	Department of Digital systems and automatics
Security of computer systems and networks		6						4	36	144	70.15	73.85						4				14	Department of Information security
Self-development module (elective disciplines)		23						4		144	70.3	73.7			2	2						
Psychology of communication (Spring)		2						2	36	72	35.15	36.85			2							73	Department of Social sciences, pedagogy and law
Psychology of communication (Autumn)		3						2	36	72	35.15	36.85				2						73	Department of Social sciences, pedagogy and law
Personal marketing and branding (Spring)		2						2	36	72	35.15	36.85			2							52	Department of Management
Personal marketing and branding (Autumn)		3						2	36	72	35.15	36.85				2						52	Department of Management
Cultural studies and intercultural communication (Spring)		2						2	36	72	35.15	36.85			2							72	Department of Philosophy and cultural studies
Cultural studies and intercultural communication (Autumn)		3						2	36	72	35.15	36.85				2						72	Department of Philosophy and cultural studies
Human and society (Spring)		2						2	36	72	35.15	36.85			2							73	Department of Social sciences, pedagogy and law
Human and society (Autumn)		3						2	36	72	35.15	36.85				2						73	Department of Social sciences, pedagogy and law
Organization of volunteer activities (Spring)		2						2	36	72	35.15	36.85			2							72	Department of Philosophy and cultural studies
Organization of volunteer activities (Spring)		3						2	36	72	35.15	36.85				2						72	Department of Philosophy and cultural studies
Basics of critical thinking (Spring)		2						2	36	72	35.15	36.85			2							72	Department of Philosophy and cultural studies
Basics of critical thinking (Spring)		3						2	36	72	35.15	36.85				2						72	Department of Philosophy and cultural studies
Environmental culture (Spring)		2						2	36	72	35.15	36.85			2							44	Department of Water bioresources and aquaculture
Environmental culture (Autumn)		3						2	36	72	35.15	36.85				2						44	Department of Water bioresources and aquaculture
Skills of effective recruitement (Spring)		2						2	36	72	35.15	36.85			2							52	Department of Management
Skills of effective recruitement (Autumn)		3						2	36	72	35.15	36.85				2						52	Department of Management
Personal financial management (Spring)		2						2	36	72	35.15	36.85			2							51	Department of Economics and finances
Personal financial management (Autumn)		3						2	36	72	35.15	36.85				2						51	Department of Economics and finances
Basics of modern managent (Spring)		2						2	36	72	35.15	36.85			2							52	Department of Management
Basics of modern managent (Autumn)		3						2	36	72	35.15	36.85				2						52	Department of Management
Internet of things (Spring)		2						2	36	72	35.15	36.85			2							11	Department of Digital systems and automatics
Internet of things (Autumn)		3						2	36	72	35.15	36.85				2						11	Department of Digital systems and automatics
Starting your own business. Start-up (Spring)		2						2	36	72	35.15	36.85			2							51	Department of Economics and finances
Starting your own business. Start-up (Autumn)		3						2	36	72	35.15	36.85				2						51	Department of Economics and finances
Business communication in Russian (Spring)		2						2	36	72	35.15	36.85			2							55	Department of Russian language
Business communication in Russian (Autumn)		3						2	36	72	35.15	36.85				2						55	Department of Russian language
Differential equations (Spring)		2						2	36	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Differential equations (Autumn)		3						2	36	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Numerical methods (Spring)		2						2	36	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Numerical methods (Autumn)		3						2	36	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Optimization methods and games theory (Spring)		2						2	36	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Optimization methods and games theory (Autumn)		3						2	36	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Theory of functions of a complex variable (Spring)		2						2	36	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Theory of functions of a complex variable (Autumn)		3						2	36	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Applied statistics (Spring)		2						2	36	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Applied statistics (Autumn)		3						2	36	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Chemistry basis of modern technologies (Spring)		2						2	36	72	35.15	36.85			2							35	Department of Chemistry
Chemistry basis of modern technologies (Autumn)		3						2	36	72	35.15	36.85				2						35	Department of Chemistry
Chemistry of polymers (Spring)		2						2	36	72	35.15	36.85			2							35	Department of Chemistry
Chemistry of polymers (Spring)		3						2	36	72	35.15	36.85				2						35	Department of Chemistry
Basics of engineering mechanics (Spring)		2						2	36	72	35.15	36.85			2							24	Department of Theory of Mechanisms and machines and machine parts
Basics of engineering mechanics (Autumn)		3						2	36	72	35.15	36.85				2						24	Department of Theory of Mechanisms and machines and machine parts
Applied nutritology (Spring)		2						2	36	72	35.15	36.85			2							31	Department of Food products technology
Applied nutritology (Autumn)		3						2	36	72	35.15	36.85				2						31	Department of Food products technology
Part formed by the educational process participants								86		3096	1572.25	1176.25	347.5					23	21	31	11		
Vocational module	55666 77788	5567	7	68	57		8	74		2664	1284.25	1032.25	347.5					17	21	25	11		
System analysis and management	5							4	36	144	71.25	38	34.75					4				12	Department of Applied informatics
Analysis and modeling of business processes	5				5			7	36	252	110.25	107	34.75					7				12	Department of Applied informatics
Digital transformation of documented areas of the organization's activities		5						3	36	108	70.15	37.85					3				12	Department of Applied informatics
Collection, storage and analysis of big data		5						3	36	108	70.15	37.85					3				12	Department of Applied informatics
Architecture and design of CIS (corporate information systems)	6			6				7	36	252	111.25	106	34.75						7			12	Department of Applied informatics
User experience design in information systems (UX/UI)	6							7	36	252	107.25	110	34.75						7			12	Department of Applied informatics
Economics and management of digital transformation	7	6			7			8	36	288	144.4	108.85	34.75						3	5		12	Department of Applied informatics
Standardization and quality management of CIS			7					4	36	144	70.15	73.85							4		12	Department of Applied informatics
Protection of confidential information in the organization and administration of digital content	7							6	36	216	107.25	74	34.75							6		14	Department of Information security
Elective modules	6788	7		8			8	25		900	422.15	338.85	139						4	10	11		
Corporate information systems (CIS) based on 1C	6788	7		8			8	25		900	422.15	338.85	139						4	10	11		
Platforms, services, ecosystems	6							4	36	144	71.25	38	34.75						4			12	Department of Applied informatics
Adaptation of applied CIS configurations	8	7					8	10	36	360	182.4	142.85	34.75							5	5	12	Department of Applied informatics
Development of applied CIS solutions	78			8				11	36	396	168.5	158	69.5							5	6	12	Department of Applied informatics
Intelligent Information Systems (IS)	6788	7		8			8	25		900	422.15	338.85	139						4	10	11		
Autonomous intelligent agent software	6							4	36	144	71.25	38	34.75						4			12	Department of Applied informatics
Machine learning and artificial neural networks (ANN)	8	7					8	10	36	360	182.4	142.85	34.75							5	5	12	Department of Applied informatics
Development of intellectual IP elements	78			8				11	36	396	168.5	158	69.5							5	6	12	Department of Applied informatics
Project module			57					12		432	288	144							6	6			
Project workshop 1			5					6		216	144	72							6				
Research track			5					6	36	216	144	72							6			86	Project center
Digital instruments			5					6	36	216	144	72							6			86	Project center
Technological track			5					6	36	216	144	72							6			86	Project center
Engineering track			5					6	36	216	144	72							6			86	Project center
Service track			5					6	36	216	144	72							6			86	Project center
Project workshop 2			7					6		216	144	72								6			
Research track			7					6	36	216	144	72								6		86	Project center
Digital instruments			7					6	36	216	144	72								6		86	Project center
Technological track			7					6	36	216	144	72								6		86	Project center
Engineering track			7					6	36	216	144	72								6		86	Project center
Service track			7					6	36	216	144	72								6		86	Project center
Graduation thesis as a start-up			78					6	36	216	144	72								3	3	86	Project center
Unit 2. Practical training								21		756	756							6		6	9		
Core part								21		756	756							6		6	9		
Academic training			4					6		216	216							6					
Technological practice			4					6	36	216	216							6				12	Department of Applied informatics
Production practice			68					15		540	540									6	9		
Project module			6					6		216	216									6			
Technological practice			6					6	36	216	216									6		12	Department of Applied informatics
Technological practice			8					9	36	324	324										9	12	Department of Applied informatics
Unit 3. State final examination								9		324			324								9		
Preparation for the defense procedure and defense of the final qualification work								9	36	324			324								9	12	Department of Applied informatics
Elective courses								6		216	105.45	110.55			4	2						
Elementary mathematics		2						2	36	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	36	72	35.15	36.85			2							71	Department of History
The Great Patriotic War: no statute of limitations		3						2	36	72	35.15	36.85				2						71	Department of History
Complex modules										436	334	102											
Module "Basics of military training"			6							108	78	30											
Module "Basics of military training"			6							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"		24								328	256	72											
Practical training in PE and sport (elective course)		24								328	256	72										56	Department of PE