

Name	Unit/ part	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	Course work	Module test	Calculation and graphic work		As scheduled	Work with a teacher	Self study	Control	Semester 1 [16 weeks]	Semester 2 [16 weeks]	Semester 3 [16 weeks]	Semester 4 [16 weeks]	Semester 5 [16 weeks]	Semester 6 [16 weeks]	Semester 7 [16 weeks]	Semester 8 [16 weeks]		
													Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	
Unit 1.Disciplines (modules)								207	7452	3377.2	3379.8	695	29	26	32	26	30	29	24	11		
Core part								145	5220	2330.25	2403.25	486.5	29	26	32	26	19	13				
Basis	Б1.0	1	1111134	22244				33	1188	710.05	443.2	34.75	15	8	2	8						
History of Russia	Б1.0		1	2				4	144	140.3	3.7		2	2							71	
Basics of Russian statehood	Б1.0		1					2	72	59.15	12.85		2								72	
Legal competence and civil position	Б1.0		1					2	72	35.15	36.85		2								73	
Philosophy	Б1.0	1						4	144	36.25	73	34.75	4								72	
Basics of self-organization, team building and leadership	Б1.0			2				4	144	70.15	73.85			4							15	
Life safety	Б1.0			4				4	144	70.15	73.85					4					42	
Physical culture and sport	Б1.0		4					2	72	16.15	55.85					2					56	
Economic culture	Б1.0		1					3	108	70.15	37.85		3								51	
Foreign language	Б1.0		13	24				8	288	212.6	75.4		2	2	2	2					45	
Foreign language: Russian as a foreign language	Б1.0		13	24				8	288	212.6	75.4		2	2	2	2					55	
Digital module	Б1.0	2	1	3				9	324	160.55	128.7	34.75	2	4	3							
IT and basics of programming	Б1.0	2	1					6	216	107.4	73.85	34.75	2	4							13	
Data analysis and artificial intelligence	Б1.0			3				3	108	53.15	54.85				3						15	
Project module	Б1.0		3	4				5	180	75.3	104.7				3	2						
Basics of project activity	Б1.0		3					3	108	35.15	72.85				3						51	
Social project "Service-learning"	Б1.0			4				2	72	40.15	31.85					2					72	
Economics and mathematics module	Б1.0	11223	6			12	3	37	1332	573	585.25	173.75	12	12	7			6				
Higher mathematics	Б1.0	12				12		12	432	215.1	147.4	69.5	6	6							13	
Microeconomics	Б1.0	1						6	216	71.25	110	34.75	6								54	
Macroeconomics	Б1.0	2						6	216	73.25	108	34.75		6							54	
Statistics	Б1.0	3					3	7	252	125.25	92	34.75			7						54	
Financial and management accounting	Б1.0		6					6	216	88.15	127.85							6			51	
Module of field subjects	Б1.0	3344556		45	3456		35	57	2052	741.05	1067.7	243.25			15	16	19	7				
Databases	Б1.0	3					3	7	252	90.25	127	34.75			7						15	
Management	Б1.0	3			3			8	288	110.25	143	34.75			8						15	
Introduction to data analysis	Б1.0	4						6	216	71.25	110	34.75				6					15	
Strategic management	Б1.0	5		4	5			10	360	144.4	180.85	34.75				4	6				15	
Python programming	Б1.0	4			4			6	216	74.25	107	34.75				6					15	
Kotlin programming	Б1.0	5					5	6	216	72.25	109	34.75					6				15	
Modeling and analysis of business processes (based on the Procceset system)	Б1.0	6		5	6			14	504	178.4	290.85	34.75					7	7			15	
Self-development module (elective disciplines)	Б1.0		23					4	144	70.3	73.7			2	2							
Psychology of communication (Spring)	Б1.0		2					2	72	35.15	36.85			2							73	
Psychology of communication (Autumn)	Б1.0		3					2	72	35.15	36.85				2						73	
Personal marketing and branding (Spring)	Б1.0		2					2	72	35.15	36.85			2							52	
Personal marketing and branding (Autumn)	Б1.0		3					2	72	35.15	36.85				2						52	
Cultural studies and intercultural communication (Spring)	Б1.0		2					2	72	35.15	36.85			2							72	
Cultural studies and intercultural communication (Autumn)	Б1.0		3					2	72	35.15	36.85				2						72	
Human and society (Spring)	Б1.0		2					2	72	35.15	36.85			2							73	
Human and society (Autumn)	Б1.0		3					2	72	35.15	36.85				2						73	
Organization of volunteer activities (Spring)	Б1.0		2					2	72	35.15	36.85			2							72	
Organization of volunteer activities (Spring)	Б1.0		3					2	72	35.15	36.85				2						72	
Basics of critical thinking (Spring)	Б1.0		2					2	72	35.15	36.85			2							72	
Basics of critical thinking (Spring)	Б1.0		3					2	72	35.15	36.85				2						72	
Environmental culture (Spring)	Б1.0		2					2	72	35.15	36.85			2							44	
Environmental culture (Autumn)	Б1.0		3					2	72	35.15	36.85				2						44	
Skills of effective recruitment (Spring)	Б1.0		2					2	72	35.15	36.85			2							52	
Skills of effective recruitment (Autumn)	Б1.0		3					2	72	35.15	36.85				2						52	
Personal financial management (Spring)	Б1.0		2					2	72	35.15	36.85			2							51	
Personal financial management (Autumn)	Б1.0		3					2	72	35.15	36.85				2						51	
Basics of modern management (Spring)	Б1.0		2					2	72	35.15	36.85			2							52	
Basics of modern management (Autumn)	Б1.0		3					2	72	35.15	36.85				2						52	
Internet of things (Spring)	Б1.0		2					2	72	35.15	36.85			2							11	
Internet of things (Autumn)	Б1.0		3					2	72	35.15	36.85				2						11	
Starting your own business. Start-up (Spring)	Б1.0		2					2	72	35.15	36.85			2							51	
Starting your own business. Start-up (Autumn)	Б1.0		3					2	72	35.15	36.85				2						51	
Business communication in Russian (Spring)	Б1.0		2					2	72	35.15	36.85			2							55	
Business communication in Russian (Autumn)	Б1.0		3					2	72	35.15	36.85				2						55	
Differential equations (Spring)	Б1.0		2					2	72	35.15	36.85			2							13	
Differential equations (Autumn)	Б1.0		3					2	72	35.15	36.85				2						13	
Numerical methods (Spring)	Б1.0		2					2	72	35.15	36.85			2							13	
Numerical methods (Autumn)	Б1.0		3					2	72	35.15	36.85				2						13	
Optimization methods and games theory (Spring)	Б1.0		2					2	72	35.15	36.85			2							13	
Optimization methods and games theory (Autumn)	Б1.0		3					2	72	35.15	36.85				2						13	
Theory of functions of a complex variable (Spring)	Б1.0		2					2	72	35.15	36.85			2							13	
Theory of functions of a complex variable (Autumn)	Б1.0		3					2	72	35.15	36.85				2						13	
Applied statistics (Spring)	Б1.0		2					2	72	35.15	36.85			2							54	
Applied statistics (Autumn)	Б1.0		3					2	72	35.15	36.85				2						54	
Chemistry basis of modern technologies (Spring)	Б1.0		2					2	72	35.15	36.85			2							35	
Chemistry basis of modern technologies (Autumn)	Б1.0		3					2	72	35.15	36.85				2						35	
Chemistry of polymers (Spring)	Б1.0		2					2	72	35.15	36.85			2								

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Part formed by the educational process participants									62	2232	1046.95	976.55	208.5					11	16	24	11	
Vocational module	Б1.В	566777	6			7		57	42	1512	618.65	684.85	208.5					5	16	21		
Algorithms and data structures in applied problems	Б1.В	6							6	216	87.25	94	34.75						6			15
Technical analysis	Б1.В	5						5	5	180	104.25	41	34.75					5				15
Data processing and analysis based on 1C platforms	Б1.В	7	6						10	360	141.4	183.85	34.75						4	6		15
Data warehouses	Б1.В	6							6	216	71.25	110	34.75						6			15
Intelligent data analysis and predictive analytics	Б1.В	7				7			8	288	108.25	145	34.75							8		15
Machine learning and artificial intelligence technologies	Б1.В	7						7	7	252	106.25	111	34.75							7		15
Project module	Б1.В				578				12	432	288	144						6		3	3	
Project workshop 1	Б1.В				5				6	216	144	72						6				
Research track	Б1.В				5				6	216	144	72						6				86
Digital instruments	Б1.В				5				6	216	144	72						6				86
Technological track	Б1.В				5				6	216	144	72						6				86
Engineering track	Б1.В				5				6	216	144	72						6				86
Service track	Б1.В				5				6	216	144	72						6				86
Project workshop 2	Б1.В				78				6	216	144	72								3	3	
Research track	Б1.В				7				6	216	144	72								6		86
Digital instruments	Б1.В				7				6	216	144	72								6		86
Technological track	Б1.В				7				6	216	144	72								6		86
Engineering track	Б1.В				7				6	216	144	72								6		86
Service track	Б1.В				7				6	216	144	72								6		86
Graduation thesis as a start-up	Б1.В				78				6	216	144	72								3	3	86
Efective courses 1	Б1.В			8					4	144	70.15	73.85										4
Process-mining	Б1.В			8					4	144	70.15	73.85										4 15
Big data	Б1.В			8					4	144	70.15	73.85										4 15
Efective courses 1	Б1.В			8					4	144	70.15	73.85										4
Introduction to financial analytics	Б1.В			8					4	144	70.15	73.85										4 15
Fuzzy probabilistic data analysis	Б1.В			8					4	144	70.15	73.85										4 15
Unit 2.Practical training									24	864	864					6		6		12		
Core part									24	864	864					6		6		12		
Academic practice	Б2.О					4			6	216	216					6						
Introductory practice	Б2.О				4				6	216	216					6						15
Production practice	Б2.О				68				18	648	648							6		12		
Project module	Б2.О				6				6	216	216							6				
Technological practice	Б2.О				6				6	216	216								6			15
Technological practice	Б2.О				8				12	432	432										12	15
Unit 3. State final examination									9	324			324								9	
Preparation for the defense procedure and defense of the final qualification work	Б3								9	324			324								9	15
Efective courses									8	288	158.6	129.4			4	2	2					
Elementary mathematics	ФТД			2					2	72	35.15	36.85			2							13
The historical role of Russia in the system of international relations	ФТД			2					2	72	35.15	36.85			2							71
The Great Patriotic War: no statute of limitations	ФТД			3					2	72	35.15	36.85				2						71
Mathematical statistics	ФТД			4					2	72	53.15	18.85					2					13
Complex modules										436	334	102										
Module "Basics of military training"	К.М				5					108	78	30										
Module "Basics of military training"	Б1.О				5					108	78	30										
Basics of military training (Autumn)	Б1.О				5					108	78	30										
Basics of military training (Spring)	Б1.О				6					108	78	30										
Module "Physical education and sport"									К.М			13										
Practical training in PE and sport (elective course)	К.М			13						328	256	72										56