									T					ar 1	Yea	ar 2	Yea	ar 3	Yea	ar 4			
			Forms of	interim a	ssessmer	nt		Credits	lits Total academic hours						Semest						Assigned department		
Name			Pass/	I	1						Ī	I	er 1	er 2	er 3	er 4	er 5	er 6	er 7	er 8		Γ	
Name	Examin ation	Pass/ fail exam	fail exam with a	Term project	Course work	Module test	Calculat ion and graphic work	Fact	As sheduled	Work with a teacher	Self study	Control	Credits	Code	Name								
Unit 1.Disciplines (modules)									7668	4002.15	2901.35	764.5	29	31	31	23	32	22	30	15			
Core part		150	5400	2768.45	2075.55	556	29	31	31	23	16	11	7	2									
Basis	2	11112 23	11224					32	1152	710.05	407.2	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	72	59.15	12.85		2								72	Department of Philosophy and cultural studies	
Legal competence and civil position		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 engineering	
Pe and sport		1						2	72	16.15	55.85		2								56	Department of PE	
Economic culture		2						3	108	70.15	37.85			3							54	Department of Economic theory and	
Foreign language		13	24					8	288	212.6	75.4		2	2	2	2						instrumental methods	
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		4	3					5	180	75.3	104.7				2	3							
Social project "Service-learning"			3					2	72	40.15	31.85				2							Department of Philosophy and cultural studies	
Basics of project activity		4						3	108	35.15	72.85					3						Department of Economics and finances	
Natural science and engineering module	11234 45	138	223			11122 23	34	51	1836	890.75	702	243.25	12	12	12	9	4			2			
Higher mathematics	13		2			123		13	468	213.55	184.95	69.5	4	4	5						13	Department of Applied mathematics and Information technologies	
Chemistry	12					12		8	288	143.1	75.4	69.5	4	4							35	Department of Chemistry	
Physics		1	2			12		8	288	123.9	164.1		4	4							25	Department of Physics	
Engineering computer graphics	4	3					34	9	324	179.4	109.85	34.75			4	5					32	Department of Technological equipment engineering	
Metrology, standardization and certification	45							8	288	142.5	76	69.5				4	4				32	Department of Technological equipment engineering	
Cost analysis in mechanical engineering			3					3	108	35.15	72.85				3						51	Department of Economics and finances	
Eco-friendly and safe methods in mechanical engineering		8						2	72	53.15	18.85									2	32	Department of Technological equipment engineering	
Module of field subjects	33455 67	567	46	5	7		34	49	1764	861.5	659.25	243.25			10	9	12	11	7				
Materials science and technology of structural materials	3							6	216	107.25	74	34.75			6						32	Department of Technological equipment engineering	
Engineering mechanics	345			5			3	13	468	236.75	127	104.25			4	4	5				24	Department of Theory of Mechanisms and machines and machine parts	
Strength of materials			4				4	5	180	89.15	90.85					5					21	Department of Shipbuilding, ship repair and marine engineering	
Management of technical systems and processes	6							4	144	71.25	38	34.75						4			32	Department of Technological equipment engineering	
Electrical engineering	5							4	144	54.25	55	34.75					4				22	Department of Power engineering	
Mechanical engineering technology		5	6					7	252	140.3	111.7						3	4			32	Department of Technological equipment engineering	
Design fundamentals and engineering analysis	7	6			7			7	252	127.4	89.85	34.75						3	4		32	Department of Technological equipment engineering	
Fundamentals of reliability and durability of technological machines		7						3	108	35.15	72.85								3		32	Department of Technological equipment engineering	
Self-development module (elective disciplines)		23						4	144	70.3	73.7			2	2								

Develope of a survividadian (Cardan)	2			2	70	25.45	27.05	2			70	Department of Social sciences, pedagogy
Psychology of communication (Spring)	2			2	72	35.15	36.85	2			73	and law Department of Social sciences, pedagogy
Psychology of communication (Autumn)	3			2	72	35.15	36.85		2		73	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 recruitement (Spring)	2	1		2	72	35.15	36.85	2			52	Department of Management
Skills of effective recruitement (Autumn)	3	1		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
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			13	Department of Applied mathematics and Information technologies
Applied statistics (Autumn)	3			2	72	35.15	36.85		2		13	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 putritiology (A. J		_					70	25.45	27.05	1 1								24	Department of Food was dealers to be about
Applied nutritiology (Autumn)		3				2	72	35.15	36.85			2						31	Department of Food products technology
Part formed by the educational process particip		•				63	2268	1233.7	825.8	208.5				16	11	23	13		
Vocational module	66778 8	55677	578	68		51	1836	945.7	681.8	208.5				10	11	17	13		
Food production technologies	6	5		6		7	252	145.4	71.85	34.75				3	4				Department of Food products technology
Food productions processes and apparatus	6	5				7	252	106.4	110.85	34.75				3	4			32	Department of Technological equipment engineering
Automated process control systems			5			4	144	70.15	73.85					4					Department of Digital systems and automatics
Modern technological equipment and digital twins	7	6				7	252	141.4	75.85	34.75					3	4		32	Department of Technological equipment engineering
Diagnostics, repair, installation and service maintenance of technological equipment			8			4	144	79.15	64.85								4	32	Department of Technological equipment engineering
Elective modules	788	77	7	8		22	792	403.2	284.55	104.25						13	9	32	Department of Technological equipment engineering
Elective module 1. Machines and apparatus of food productions	788	77	7	8		22	792	403.2	284.55	104.25						13	9	1 3/ 1	Department of Technological equipment engineering
Units and parts of technological equipment			7			3	108	70.15	37.85							3		1 4/ 1	Department of Technological equipment engineering
Robotic and mechatronic complexes for food production	8	7				7	252	124.4	92.85	34.75						3	4		Department of Technological equipment engineering
Design and operation of food production facilities	8	7		8		8	288	137.4	115.85	34.75						3	5		Department of Technological equipment engineering
Pneumatic, hydraulic and mechatronic systems	7					4	144	71.25	38	34.75						4		32	Department of Technological equipment engineering
Elective module 2. Food engineering of small enterprises	788	77	7	8		22	792	403.2	284.55	104.25						13	9	32	Department of Technological equipment engineering
Design and calculation of food equipment elements			7			3	108	70.15	37.85							3			Department of Technological equipment engineering
Maintenance of automated process equipment	8	7				7	252	124.4	92.85	34.75						3	4		Department of Technological equipment engineering
Design of food enterprises, lines and workshops	8	7		8		8	288	137.4	115.85	34.75						3	5	32	Department of Technological equipment engineering
Renovation of technological equipment	7					4	144	71.25	38	34.75						4			Department of Technological equipment engineering
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
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			Project center
Digital instruments			7			6	216	144	72							6		1	Project center
Technological track			7			6	216	144	72							6			Project center
Engineering track			7			6	216	144	72							6		1	Project center
Service track			7			6	216	144	72							6			Project center
Graduation thesis as a start-up Unit 2.Practical training			78			6	216 756	144 756	72				,		,	3	3	86	Project center
	anta					21							6		6		9		
Part formed by the educational process particip	ants					21	756	756					6		6		9		
Academic training Operational practice			4			6	216 216	216 216					6					32	Department of Technological equipment
· ·									-				0				_	32	engineering
Production practice			68			15	540	540	<u> </u>		-	<u> </u>			6		9		
Project module			6			6	216	216							6				Department of Technological equipment
Technological practice			6			6	216	216							6			32	engineering Department of Technological equipment Department of Technological equipment
Technological (project-technological) practice			8			9	324	324	<u> </u>								9	1 3/	engineering
Unit 3. State final examination	1			1		6	216			216							6	,	Department of Technological actions
Preparation for the defense procedure and defense of the final qualification work						6	216			216							6	1 3/ 1	Department of Technological equipment engineering

Elective courses	6	216	105.45	110.55		4	2										
Elementary mathematics	2						2	72	35.15	36.85		2					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					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"		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	ļ						328	256	72							
Practical training in PE and sport (elective course)	24							328	256	72						56	Department of PE