	T													ar 1	Yea	ar 2	Yea	ar 3	Yea	ar 4			
			Forms of	interim a	ssessmer	ıt		Credits Total academic hours								Semest			Semest		Assigned department		
Name			Pass/										er 1	er 2	er 3	er 4	er 5	er 6	er 7	er 8		1	
Name	Examin ation	Pass/ fail exam	fail exam with a grade	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)								210	7560	4504.9	2325.35	729.75	31	29	30	24	29	25	28	14			
Core part	135	4860	2655.55	1752.7	451.75	31	29	25	24	15	5		6										
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							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	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						72	Department of Philosophy and cultural studies	
Basics of project activity		4						3	108	35.15	72.85					3					51	Department of Economics and finances	
Natural science and engineering module	12344 5	33	112			11122 345	3	50	1800	907.65	683.85	208.5	14	10	11	10	5						
Higher mathematics	12					12		10	360	143.1	147.4	69.5	5	5							13	Department of Applied mathematics and Information technologies	
Chemistry	345		12			12345		25	900	445.55	350.2	104.25	5	5	5	5	5				35	Department of Chemistry	
Physics			1			1		4	144	70.45	73.55		4								25	Department of Physics	
General biology and microbiology	4	3						8	288	177.4	75.85	34.75			3	5					44	Department of Water bioresources and aquaculture	
Engineering computer graphics		3					3	3	108	71.15	36.85				3						32	Department of Production equipment engineering	
Module of field subjects	6	8	4					12	432	274.55	122.7	34.75				4		5		3			
Food chemistry			4					4	144	88.15	55.85					4					36	Department of Food biotechnology	
Metrology, standardization and technical regulation	6							5	180	107.25	38	34.75						5			36	Department of Food biotechnology	
Quality management in biotechnology		8						3	108	79.15	28.85									3	36	Department of Food biotechnology	
Module of field subjects	3455		8		5			23	828	457.15	231.85	139			5	5	10			3			
Modern research methods in biotechnology	345							15	540	267.75	168	104.25			5	5	5				36	Department of Food biotechnology	
Biotechnology processes and devices	5				5			5	180	110.25	35	34.75					5				32	Department of Production equipment engineering	
Technological equipment for biotechnological production			8					3	108	79.15	28.85									3	32	Department of Production equipment engineering	
Self-development module (elective disciplines)		23						4	144	70.3	73.7			2	2								
Psychology of communication (Spring)		2						2	72	35.15	36.85			2							73	Department of Social sciences, pedagogy and law	
Psychology of communication (Autumn)		3						2	72	35.15	36.85				2						73	Department of Social sciences, pedagogy 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
																			73	studies Department of Social sciences, pedagogy
Human and society (Spring)		2					2	72	35.15	36.85			2						73	and law Department of Social sciences, pedagogy
Human and society (Autumn)		3					2	72	35.15	36.85				2					73	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					2	72	35.15	36.85			2						52	Department of Management
Skills of effective recruitement (Autumn)		3					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
Internet of things (Autumn)		3					2	72	35.15	36.85				2					11	automatics Department of Digital systems and
Starting your own business. Start-up (Spring)		2					2	72	35.15	36.85			2						51	automatics 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
Differential equations (Autumn)		3					2	72	35.15	36.85				2					13	Information technologies Department of Applied mathematics and
Numerical methods (Spring)		2					2	72	35.15	36.85			2						13	Information technologies Department of Applied mathematics and
Numerical methods (Autumn)		3					2	72	35.15	36.85				2					13	Information technologies Department of Applied mathematics and
Optimization methods and games theory (Spring)		2					2	72	35.15	36.85			2						13	Information technologies Department of Applied mathematics and
													2							Information technologies Department of Applied mathematics and
Optimization methods and games theory (Autumn)		3					2	72	35.15	36.85				2					13	Information technologies Department of Applied mathematics and
Theory of functions of a complex variable (Spring)		2					2	72	35.15	36.85			2						13	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 nutritiology (Autumn)		3					2	72	35.15	36.85				2					31	Department of Food products technology
Part formed by the educational process particip	pants		•				 75	2700	1849.35	572.65	278			5	14	20	28	8		<u> </u>
Vocational module	36677 788	56677 77	56	7	68		63	2268	1561.35	428.65	278			5	8	20	22	8		
Basics of production of biotechnological products	3						5	180	107.25	38	34.75			5					36	Department of Food biotechnology
Biotechnological potential of raw materials of animal and plant origin		5					4	144	106.15	37.85					4				36	Department of Food biotechnology
prom. Origin						<u> </u>						ı l								<u> </u>

.		1		1	1		I I	. 1													T
Mathematical modeling in biotechnology	,	1	5					4	144	106.15	37.85	24.75				4	-			36	Department of Food biotechnology
Homeostasis and nutrition	6	1						5	180	107.25	38	34.75					5			36	Department of Food biotechnology
Basics of Biotechnology	6							5	180	107.25	38	34.75					5			36	Department of Food biotechnology
Industrial biotechnology	7	,	6		,			7	144 252	106.15	37.85	24.75					3	4		36	Department of Food biotechnology
General food biotechnology	/	7			6			3		180.4 88.15	36.85 19.85	34.75					3	3		36 36	Department of Food biotechnology Department of Food biotechnology
Design of multi-component food products									108												
Design and organization of production in biotechnology		7						3	108	88.15	19.85							3		36	Department of Food biotechnology
Safety and quality control of food raw materials and food products	78							8	288	164.5	54	69.5						4	4	36	Department of Food biotechnology
Elective modules	78	677		7	8			15	540	399.95	70.55	69.5					3	8	4		
Elective module 1. Biotechnology of products from raw materials of animal origin	78	677		7	8			15	540	399.95	70.55	69.5					3	8	4		
Technology of products from raw materials of animal origin	7	6		7				7	252	163.4	53.85	34.75					3	4		36	Department of Food biotechnology
Biologically active and nutritional supplements from raw materials of animal origin	8	7			8			6	216	166.4	14.85	34.75						2	4	36	Department of Food biotechnology
Rheometry in the biotechnology of products from raw materials of animal origin		7						2	72	70.15	1.85							2		36	Department of Food biotechnology
Elective module 2. Biotechnology of products from raw materials of plant origin	78	677		7	8			15	540	399.95	70.55	69.5					3	8	4		
Technology of products from raw materials of plant origin	7	6		7				7	252	163.4	53.85	34.75					3	4		36	Department of Food biotechnology
Biologically active and nutritional supplements from plant materials	8	7			8			6	216	166.4	14.85	34.75						2	4	36	Department of Food biotechnology
Rheometry in biotechnology of products from plant raw materials		7						2	72	70.15	1.85							2		36	Department of Food biotechnology
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		86	Project center
Digital instruments			7					6	216	144	72							6		86	Project center
Technological track			7					6	216	144	72							6		86	Project center
Engineering track		1	7					6	216	144	72							6		86	Project center
Service track		1	7					6	216	144	72							6		86	Project center
Graduation thesis as a start-up			78					6	216	144	72							3	3	86	Project center
Unit 2.Practical training								24	864	864					6		6		12		
Core part				1				24	864	864					6		6		12		_
Academic training		1	4					6	216	216					6						
Introductory practice			4					6	216	216					6					36	Department of Food biotechnology
Production practice			68					18	648	648							6		12		
Project module		<u> </u>	6					6	216	216							6				
Technological practice		1	6			<u> </u>		6	216	216							6			36	Department of Food biotechnology
Technological practice Unit 3. State final examination			8			<u> </u>		12 6	432 216	432		216							12 6	36	Department of Food biotechnology
Preparation for the defense procedure and defense of the			Ι					6	216			216							6	36	Department of Food biotechnology
final qualification work Elective courses			<u> </u>			<u> </u>		6	216	105 45	110.55	210	4	2					U	30	Department or rood biotecilliology
Elementary mathematics		2	1			<u> </u>		2	72	35.15	36.85		2							13	Department of Applied mathematics and
The historical role of Russia in the system of international		2	-					2	72	35.15	36.85		2							71	Information technologies Department of History
relations The Great Patriotic War: no statute of limitations										35.15	36.85			2						71	Department of History
Complex modules		3	<u> </u>	<u> </u>		<u> </u>	-	2	72 436	35.15	102			2						/ 1	реранивни от пізтогу
Module "Basics of military training"							+		436 108	334 78											1
		+	6							+	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