	<u> </u>												Yea	ar 1	Yea	ar 2	Yea	ar 3	Yea	ar 4			
		I	Forms of	interim a	ssessmer	nt		Credits		Total acad	emic hours	S			Semest						Assigned department		
Name			Pass/				0 1 1 1						er 1	er 2	er 3	er 4	er 5	er 6	er 7	er 8		I	
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)								213	7668	4004.85	2898.65	764.5	32	28	29	25	30	24	29	16			
Core part								151	5436	2729.9	2184.85	521.25	32	28	29	25	21	10	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	
Basics of self-organization, team building and leadership			1					3	108	70.15	37.85		3								52	studies  Department of Management	
Life safety			1					4	144	70.15	73.85		4								42	Department of Technosphere safety and	
Pe and sport		1						2	72	16.15	55.85		2								56	environmental engineering Department of PE	
Economic culture		2						3	108	70.15	37.85			3							54	Department of Economic theory and	
			24										2		2	2					54	instrumental methods	
Foreign language		<b>13</b>	<b>24</b> 24					<b>8</b> 8	<b>288</b> 288	<b>212.6</b> 212.6	<b>75.4</b> 75.4		2	2	2	2					45	Department of Foreign languages	
Foreign language 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	Δ	3						33	Department of Russian language	
IT and basics of programming	2	1						6	216	107.4	73.85	34.75	2	4							13	Department of Applied mathematics and	
Data analysis and artificial intelligence		<u>'</u>	3					3	108	53.15	54.85	34.70		,	3						13	Information technologies Department of Applied mathematics and	
																					13	Information technologies	
Project module		4	3					5	180	75.3	<b>104.7</b> 31.85				2	3					70	Department of Philosophy and cultural	
Social project "Service-learning"			3					2	72	40.15					2	_					12	studies	
Basics of project activity	11234	4				11122		3	108	35.15	72.85					3					51	Department of Economics and finances	
Natural science and engineering module	6	1357	23			3	34	51	1836	819.2	808.3	208.5	15	9	12	5	4	4	2				
Higher mathematics	123					123		15	540	214.65	221.1	104.25	5	5	5						13	Department of Applied mathematics and Information technologies	
Chemistry	1					1		6	216	71.55	109.7	34.75	6								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	
Cost analysis in mechanical engineering			3					3	108	35.15	72.85				3						51	Department of Economics and finances	
Metrology, standardization and certification	6	5						8	288	141.4	111.85	34.75					4	4			32	Department of Technological equipment engineering	
Eco-friendly and safe methods in mechanical engineering		7						2	72	53.15	18.85								2		32	Department of Technological equipment engineering	
Module of field subjects	33445 55	56	467	5			346	50	1800	894.5	662.25	243.25			8	15	17	6	4				
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	
Materials science and technology of structural materials	34							10	360	178.5	112	69.5			4	6					32	Department of Technological equipment engineering	
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	5							5	180	71.25	74	34.75					5				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					6	216	140.3	75.7						3	3			32	Department of Technological equipment engineering	
Fundamentals of designing technological equipment		6	7				6	7	252	124.3	127.7							3	4		32	Department of Technological 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	

Personal of communication (Anthony Communication Communication Communication (Anthony Communication				1										Department of Social sciences, pedagogy
Proceeding and the colouing flowering   1	Psychology of communication (Autumn)	3			2	72	35.15	36.85		2			73	
Count all and and antifer control cont	5 5 1 6	2			2	72			2					<u> </u>
Claim which well and minimum communities (Salmy)  1. 2	Personal marketing and branding (Autumn)	3			2	72	35.15	36.85		2			52	-
Marie and National Continue and Continue and Continue and Continue and National Contin	Cultural studies and intercultural communication (Spring)	2			2	72	35.15	36.85	2				72	studies
The man and any (column)  3	Cultural studies and intercultural communication (Autumn)	3			2	72	35.15	36.85		2			72	studies
Cognostical control controls (Control)  Cognostical control control controls (Control)  Cognostical control co	Human and society (Spring)	2			2	72	35.15	36.85	2				73	·
Agricultural formation of columns	Human and society (Autumn)	3			2	72	35.15	36.85		2			73	1
Popular for Vision (Control)	Organization of volunteer activities (Spring)	2			2	72	35.15	36.85	2				72	1 -
Desire of milet frowing (Spring)	Organization of volunteer activities (Spring)	3			2	72	35.15	36.85		2			72	Department of Philosophy and cultural
Packed of dial Delivery (Parks)   2   2   2   2   2   2   2   2   2	Basics of critical thinking (Spring)	2			2	72	35.15	36.85	2				72	Department of Philosophy and cultural
Extractional subset (Straig)	Basics of critical thinking (Spring)	3			2	72	35.15	36.85		2			72	Department of Philosophy and cultural
Patterness   California	Environmental culture (Spring)	2			2	72	35.15	36.85	2				44	Department of Water bioresources and
Salte of attention constructional (Spring)  2   7   7   7   7   7   7   7   7   7	Environmental culture (Autumn)	3			2	72	35.15	36.85		2			44	Department of Water bioresources and
Process frances are engaged (Spirely)	Skills of effective recruitement (Spring)	2			2	72	35.15	36.85	2				52	•
Personal management (Adulumer)	Skills of effective recruitement (Autumn)	3			2	72	35.15	36.85		2			52	Department of Management
Desics of modern ensumpart (glusing)  2	Personal financial management (Spring)	2			2	72	35.15	36.85	2				51	Department of Economics and finances
Season of multare messagent (Assumer)	Personal financial management (Autumn)	3			2	72	35.15	36.85		2			51	Department of Economics and finances
Internet of things (Spring) 2	Basics of modern managent (Spring)	2			2	72	35.15	36.85	2				52	Department of Management
Internet of things (Autumn)  Serving your own business. Start-tup (Spring)  2	Basics of modern managent (Autumn)	3			2	72	35.15	36.85		2			52	Department of Management
Internation claring (section)	Internet of things (Spring)	2			2	72	35.15	36.85	2				11	
Starting your own bosiness Start-up (Autumn)   3	Internet of things (Autumn)	3			2	72	35.15	36.85		2			11	
Deciminal Communication in Russian (Spring)   2	Starting your own business. Start-up (Spring)	2			2	72	35.15	36.85	2				51	Department of Economics and finances
Submission   Sub	Starting your own business. Start-up (Autumn)	3			2	72	35.15	36.85		2			51	Department of Economics and finances
Differential equations (Spring)   2   2   72   35.15   36.85   2   35.15   36.85   2   35.15   36.85   3   3   3   3   3   3   3   3   3	Business communication in Russian (Spring)	2			2	72	35.15	36.85	2				55	Department of Russian language
Differential equations (spring)	Business communication in Russian (Autumn)	3			2	72	35.15	36.85		2			55	
Differential equations (quoting)   3	Differential equations (Spring)	2			2	72	35.15	36.85	2				13	Information technologies
Numerical methods (Autumn)  3 2 72 35.15 36.85 2 3 13 Information technologies Optimization methods and games theory (Spring)  2 72 35.15 36.85 2 3 13 Information technologies Optimization methods and games theory (Spring)  2 72 35.15 36.85 2 3 13 Information technologies Optimization methods and games theory (Autumn)  3 7 7 7 35.15 36.85 2 2 3 13 Information technologies Optimization methods and games theory (Autumn)  3 8 7 7 7 35.15 36.85 2 2 3 13 Information technologies Optimization methods and games theory (Autumn)  3 9 7 7 35.15 36.85 2 2 3 13 Information technologies Optimization methods and games theory (Autumn)  3 0 2 7 2 35.15 36.85 2 2 3 13 Information technologies Optimization methods and games theory (Autumn)  3 0 2 7 2 35.15 36.85 2 2 3 13 Information technologies Optimization methods and games theory (Autumn)  3 0 2 7 2 35.15 36.85 2 2 3 13 Information technologies Optimization methods and games theory (Autumn)  3 0 2 7 2 35.15 36.85 2 2 3 13 Information technologies Optimization methods and games theory (Autumn)  3 0 2 7 2 35.15 36.85 2 2 3 13 Information technologies Optimization methods and games theory (Autumn)  3 0 2 7 2 35.15 36.85 2 2 3 13 Information technologies Optimization methods and games theory (Autumn)  3 0 2 7 2 35.15 36.85 2 2 3 35 Department of Chemistry Optimization methods and information methodologies (Spring)  4 10 10 10 10 10 10 10 10 10 10 10 10 10	Differential equations (Autumn)	3			2	72	35.15	36.85		2			13	Information technologies
Optimization methods and games theory (Spring)  2	Numerical methods (Spring)	2			2	72	35.15	36.85	2				13	Information technologies
Optimization methods and games theory (Aptiumn)	Numerical methods (Autumn)	3			2	72	35.15	36.85		2			13	Information technologies
Optimization methods and games theory (Autumn)   3	Optimization methods and games theory (Spring)	2			2	72	35.15	36.85	2				13	1 .
Theory of functions of a complex variable (Spring)  2	Optimization methods and games theory (Autumn)	3			2	72	35.15	36.85		2			13	Department of Applied mathematics and
Theory of functions of a complex variable (Autumn)   3	Theory of functions of a complex variable (Spring)	2			2	72	35.15	36.85	2				13	Department of Applied mathematics and
Applied statistics (Spring)  2 72 35.15 36.85 2 1 13 Department of Applied mathematics and Information technologies Applied statistics (Autumn)  3 72 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 72 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 (Spring)  3 72 35.15 36.85 2 2 35 Department of Chemistry Chemistry of polymers (Spring)  3 72 35.15 36.85 2 2 35 Department of Chemistry Chemistry of polymers (Spring)  4 8asics of engineering mechanics (Spring)  4 9 Department of Theoristry Chemistry of Mechanisms and machines and machine parts Chemistry of engineering mechanics (Autumn)  3 72 72 35.15 36.85 2 2 35.15 Department of Theory of Mechanisms and machines and machines and machines and machines and machine parts Chemistry of engineering mechanics (Autumn)  3 72 72 35.15 36.85 2 2 35.15 Department of Theory of Mechanisms and machines and machines and machines and machine parts Chemistry of Mechanisms and machine parts Chemistry of engineering mechanics (Autumn)  3 72 72 35.15 36.85 2 2 35.15 Department of Theory of Mechanisms and machines and machine parts Chemistry of Mechanisms and machine parts Chemistry of Engineering mechanics (Autumn)  4 9 Department of Theory of Mechanisms and machine parts Chemistry of Mechanisms and machine parts Chemistry of Engineering mechanics (Autumn)  5 10 Department of Theory of Mechanisms and machine parts Chemistry of Engineering mechanics (Autumn)  5 10 Department of Theory of Mechanisms and machine parts Chemistry of Engineering mechanics (Autumn)  6 11 Department of Applied mathematics and Information technologies Chemistry of Engineering mechanics (Autumn)  10 12 13 Department of Chemistry Chemistry of Engineerin	Theory of functions of a complex variable (Autumn)	3			2	72	35.15	36.85		2			13	Department of Applied mathematics and
Applied statistics (Autumn)  3	Applied statistics (Spring)	2			2	72	35.15	36.85	2				13	Department of Applied mathematics and
Chemistry basis of modern technologies (Spring)  2	Applied statistics (Autumn)	3			2	72	35.15	36.85		2			13	Department of Applied mathematics and
Chemistry of polymers (Spring)  Chemistry of polymers (Spring)  Chemistry of polymers (Spring)  3 Department of Chemistry  Chemistry  Basics of engineering mechanics (Spring)  2 72 35.15 36.85  2 9 35.15 Department of Chemistry  Department of Theory of Mechanisms and machine parts  Basics of engineering mechanics (Autumn)  3 9 2 72 35.15 36.85  2 9 2 9 24 Department of Theory of Mechanisms and machine parts  Department of Theory of Mechanisms and machine parts  Applied nutritiology (Spring)  2 72 35.15 36.85  2 9 35.15 36.85  2 9 2 9 35.15 Department of Chemistry  Department of Theory of Mechanisms and machine parts  Applied nutritiology (Spring)  2 72 35.15 36.85  2 9 35.15 36.85	Chemistry basis of modern technologies (Spring)	2			2	72	35.15	36.85	2				35	
Chemistry of polymers (Spring)  3	Chemistry basis of modern technologies (Autumn)	3			2	72	35.15	36.85		2			35	Department of Chemistry
Basics of engineering mechanics (Spring)  2 72 35.15 36.85  2 Department of Theory of Mechanisms and machine parts  Basics of engineering mechanics (Autumn)  3 Department of Theory of Mechanisms and machine parts  2 72 35.15 36.85  2 Department of Theory of Mechanisms and machine parts  2 72 35.15 36.85  2 Department of Theory of Mechanisms and machine parts  2 Part Mechanisms and machine parts  3 Department of Theory of Mechanisms and machine parts  4 Department of Theory of Mechanisms and machine parts  4 Department of Theory of Mechanisms and machine parts  5 Part Mechanisms and machine parts  6 Part Mechanisms and machine parts  7 Part Mechanisms and machine parts  8 Papiled nutritiology (Spring)  9 Part Ment of Theory of Mechanisms and machine parts  9 Part Mechanisms and machine parts  1 Part Mechanisms and machine parts  2 Part Mechanisms and machine parts  2 Part Mechanisms and machine parts  3 Part Mechanisms and machine parts  4 Part Mechanisms and machine parts  4 Part Mechanisms and machine parts  5 Part Mechanisms and machine parts  6 Part Mechanisms and machine parts  8 Part Mechanisms and machine parts  9 Part Mechanisms and machine parts  1 Part Mechanisms and machine parts  2 Part Mechanisms and machine parts  2 Part Mechanisms and machine parts  3 Part Mechanisms and machine parts  4 Part Mechanisms and machine parts  5 Part Mechanisms and machine parts  6 Part Mechanisms and machine parts  8 Part Mechanisms and machine parts  9 Part Mechanisms and machine parts  9 Part Mechanisms and machine parts  1 Part Mechanisms and	Chemistry of polymers (Spring)	2			2	72	35.15	36.85	2				35	Department of Chemistry
Basics of engineering mechanics (spring)  2	Chemistry of polymers (Spring)	3			2	72	35.15	36.85		2			35	
Basics of engineering mechanics (Autumn)  3	Basics of engineering mechanics (Spring)	2			2	72	35.15	36.85	2				24	, ,
Applied nutritiology (Spring)  2 72 35.15 36.85 2 31 Department of Food products technology	Basics of engineering mechanics (Autumn)	3	1		2	72	35.15	36.85		2		1 1	24	Department of Theory of Mechanisms and
Applied nutritiology (Autumn)  3 2 72 35.15 36.85 2 31 Department of Food products technology	Applied nutritiology (Spring)	2	1		2	72	35.15	36.85	2			1 1	31	
	Applied nutritiology (Autumn)	3	1		2	72	35.15	36.85		2			31	Department of Food products technology

Part formed by the educational process participation	oants							62	2232	1274.95	713.8	243.25					9	14	23	16		
Vocational module	66777	56677 8	88	678				50	1800	986.95	569.8	243.25					3	14	17	16		
Processes of shaping by cutting using modeling in CAE systems	<b>88</b> 6	5		6				7	252	145.4	71.85	34.75					3	4			32	Department of Technological equipment engineering
Technological preparation of machine-building production	6							4	144	71.25	38	34.75						4			32	Department of Technological equipment engineering
Technological equipment and accessories	7	6						6	216	106.4	74.85	34.75						3	3		32	Department of Technological equipment engineering
Design of mechanical engineering production	7	6		7				7	252	128.4	88.85	34.75						3	4		32	Department of Technological equipment engineering
Tool support for machine-building industries			8					3	108	79.15	28.85									3	32	Department of Technological equipment engineering
Reliability and durability of technological equipment		8						2	72	53.15	18.85									2	32	Department of Technological equipment engineering
Elective courses		•	•	•		•		21	756	403.2	248.55	104.25							10	11		
Elective module 1. Technologies of automated machinebuilding	788	77	8	8				21	756	403.2	248.55	104.25							10	11		
Technologies and equipment for assembly production	7							4	144	71.25	38	34.75							4		32	Department of Technological equipment engineering
Setup, operation and repair of technological equipment		7	8					6	216	123.3	92.7								3	3	32	Department of Technological equipment engineering
Programming CNC machines using CAD/CAM/CAE systems	8	7		8				7	252	154.4	62.85	34.75							3	4	32	Department of Technological equipment engineering
Automation of technological operations in mechanical engineering	8							4	144	54.25	55	34.75								4	32	Department of Technological equipment engineering
Electvie module 2. Renovation in machinebuilding	788	77	8	8				21	756	403.2	248.55	104.25							10	11		
Diagnostics of technological equipment	7							4	144	71.25	38	34.75							4		32	Department of Technological equipment engineering
Technologies for renovation of means and objects of material production in mechanical engineering		7	8					6	216	123.3	92.7								3	3	32	Department of Technological equipment engineering
Modernization of production facilities in the engineering industry	8	7		8				7	252	154.4	62.85	34.75							3	4	32	Department of Technological equipment engineering
Organization of renovation production	8							4	144	54.25	55	34.75								4	32	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		1				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			7					6	216	144	72								6		86	Project center
Service track			7					6	216	144	72		1						6		86	Project center
Graduation thesis as a start-up			78					6	216	144	72					<u> </u>			3	3	86	Project center
Unit 2.Practical training								21	756	756						6		6		9		
Core part		1	1	1		1	,	21	756	756			1			6		6		9		T
Academic training			4					6	216	216	-					6						Department of Technological equipment
Operational practice			4					6 <b>1</b> F	216	216						6		,			32	engineering
Production practice			68				<del>                                     </del>	15	540	540	<u> </u>			<u> </u>		<u> </u>		6		9		+
Project module  Technological practice			<b>6</b>					<b>6</b>	<b>216</b> 216	<b>216</b> 216								6			32	Department of Technological equipment
Technological (project-technological) practice			8					9	324	324										9	32	engineering  Department of Technological equipment
Unit 3. State final examination	<u> </u>		1	<u> </u>	1	<u> </u>	1	6	216			216								6		engineering
Preparation for the defense procedure and defense of the final qualification work								6	216			216								6	32	Department of Technological equipment
Elective courses	1	1	1	l	1	l .	<del>'  </del>	6	216	105.45	110.55			4	2							engineering
										1 30.10	1	]	1						]			

Elementary mathematics		2						2	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	72	35.15	36.85	2				71	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"			5						108	78	30						
Module "Basics of military training"			5						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