Name	Examination	Pass/fail exam	Pass/fail exam with a grade	Term project	Course work	Module test	Calculation and graphic work	Fact	As sheduled	Work with a teacher	Self study	Control	Semester 1 Credits	Semester 2 Credits	Semester 3 Credits	Semester 4 Credits	Semester 5 Credits	Semester 6 Credits	Semester 7 Credits	Semester 8 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	1111223	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 instrumental methods
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	112346	1357	23			111223	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	Depsartment 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	3344555	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	Depsrtment 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

Course		2/3						2	72	35.15	36.85				2	2							Code	Department
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 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						2	72	35.15	36.85			2									52	Depart1ment of Management
Skills of effective recruitement (Autumn)		3						2	72	35.15	36.85					2							52	Depart1ment 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 nutritiology (Autumn)		3						2	72	35.15	36.85					2							31	Department of Food products technology

Name					ЗЕ	Total										Code	Department
Part formed by the educational process participants					62	2232	1274.95	713.8	243.25			9	14	23	16		
Vocational module	66777788	566678	88	678	50	1800	986.95	569.8	243.25			3	14	17	16		
Processes of shaping by cutting using modeling in CAE systems	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				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						6		86	Project center
Graduation thesis as a start-up			78		6	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							
Operational practice			4		6	216	216			6						32	Department of Technological equipment engineering
Production practice			68		15	540	540						6		9		
Project module			6		6	216	216						6				
Technological practice			6		6	216	216						6			32	Department of Technological equipment engineering
Technological (project-technological) practice			8		9	324	324								9	32	Department of Technological equipment engineering
Unit 3. State final examination					6	216			216						6		
Preparation for the defense procedure and defense of the final qualification work					6	216			216						6	32	Department of Technological equipment engineering
Elective courses					6	216	105.45	110.55		4	2						

Subject																					
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