		Form of assessment					Credits	Total academic hours					Year			Year 2		ar 3		ar 4	_	Assigned department	
Name			Pass/ fail				Calculat							Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8		
	Examina tion	Pass/ fail test	exam with a	Term project	Course work		ion and graphic work	Fact	As sheduled	Work with a teacher	Class- room	Self-study	Control	Credits	Code	Name							
Unit 1.Disciplines (modules)			orade					216	7776	3378.55	2852	3231.95	1165.5	28	29	28	29	28	26	26	22		
Core part		11234						120	4320	1892.2	1628	1746.05	681.75	24	27	26	20	11	8	4			
Socio-humanitarian module History (history of Russia, general history)	13 1	11234 56	224					<b>28</b>	1008 144	488 48.25	<b>416</b> 30	434.5 53	<b>85.5</b> 42.75	8	6	6	4	2	2			71	Department of History
Philosophy	3							4	144	48.25	30	53	42.75			4						72	Department of Philosophy and Culturology
Law Basics of project acticity		5						2	72 72	32.15 32.15	30 30	39.85 39.85						2	2			73 51	Department of Social sciences, pedagogy and law Department of Economics and finances
Time-management		4						2	72	32.15	30	39.85					2					52	Department of Management
Culturology Conflict studies		1	2					2	72	32.15 46.15	30 30	39.85 25.85		2	2							72 72	Department of Philosophy and Culturology Department of Philosophy and Culturology
Foreign language Basics of business communication		13	24					8	288 72	184.6 32.15	176 30	103.4 39.85		2	2	2	2					45	Department of Foreign languages
Module "Physical education and sport"		16						2	72	32.3	32	39.7		1	2				1				Department of Russian language
Basics of PE Physical self-perfection		1 6						1	36 36	16.15 16.15	16 16	19.85 19.85		1					1				Department of Physical education Department of Physical education
Mathematics and natural scientific module Higher mathematics	112223 123	113				11122 23 1223		33 14	1188 504	567.75 251.8	494 210	381.75 132.95	238.5 119.25	13	14 5	6							
Algebra and geometry	1					1		4	144	62.25	44	39	42.75	4								13	Department of Applied mathematics and information technologies
Mathematical analysis	2	1				22		7	252	139	120	70.25	42.75	2	5							13	Department of Applied mathematics and information technologies Department of Applied mathematics and
Probability theory and mathematical statistics Informatics	3					3		3	108 144	50.55 78.25	46 60	23.7 32	33.75 33.75		4	3						13 13	Information technologies Department of Applied mathematics and
Physics Chemistry	2	1				12		8	288 144	127 64.55	120 60	118.25 36.7	42.75	3	5							25 35	Information technologies Department of Physics Department of Chemistry
Lnemistry Information technologies in professional activities		3	L		L			3	144	46.15	бU 44	36.7 61.85	12.75	-		3						13	Department of Chemistry Department of Applied mathematics and information technologies
Module "Safe living environment"	7					$\square$		4	144	62.25	44	48	33.75							4			Department of Technosphere safety and
Life safety Engineering and technical module	7 23346	12	5	4	3	$\vdash$	12	4	144 1152	62.25 438.7	44 376	48 517.55	33.75 195.75	2	7	9	5	4	5	4		42	environmental management
Engineering and computer graphics	23346	12		-	3		12	32 6	216	438.7 82.4	<b>376</b> 60	90.85	<b>195.75</b> 42.75	2	4	9	-	4		-		32	Department of Production equipment engineering
Material science, structural materials technology	3	2			3			8	288	99.4	90	145.85	42.75		3	5						32	Department of Production equipment engineering
Theoretical mechanics Applied mechanics	3	<u> </u>		4		$\vdash$		4	144	64.25	60 46	46	33.75			4	-					24	Department of Theory of machines and mechanisms and machine parts Department of Theory of machines and
Applied mechanics Electrical engineering and electricity supply	"		5	4	_			5	180 144	66.25 62.15	46 60	71 81.85	42.75				5	4				24 22	mechanisms and machine parts Department of Power engineering
Metrology,thermotechnical measurements and automation General technical module	6 445	334		<u> </u>	45	ĻТ		5 21	180 756	64.25 303.2	60 266	82 324.55	33.75 128.25			5	11	5	5			32	Department of Production equipment engineering
Fluid dynamics	4	3						6	216	78.4	60	94.85	42.75			2	4	3				22	Department of Power engineering
Technical thermodynamics Heat and mass trasfer	4 5	3			4			8	288 252	111.4 113.4	102 104	133.85 95.85	42.75 42.75			3	5	5				22 22	Department of Power engineering Department of Power engineering
Part formed by the educational process participants Socio-humanitarian module (B)	6	5		r				96 5	3456	1486.35	1224	1485.9	483.75	4	2	2	9	17	18	22	22		
Economy and management in a utility company	6	5						5	180 180	92.4 92.4	<b>60</b>	53.85 53.85	33.75 33.75					2	3			52	Department of Management
Mathematics and natural scientific module (B)	4	4						7	252	96.4	62	112.85	42.75				7						Dependences of Applied methomotion and
Mathematical modelling Scientific research methods	4	4						3	108 144	48.15 48.25	32 30	59.85 53	42.75				3					13 22	Department of Applied mathematics and information technologies Department of Power engineering
Module "Safe living environment" (B)		4						2	72	46.15	30	25.85					2						
Ecology and environmental management Professional module	155667	4 3566	57	5678	7			2 56	72 2016	46.15 841.9	30 702	25.85 868.1	306	4		2	2	15	15	15	5	44	Department of Water bioresources and aquaculture
Introduction to profession	78 1	3300	37	3078	,			4	144	46.25	30	64	33.75	4				15	13	15	,	22	Department of Power engineering
Combustion theory Technical measurements		3						2	72 72	32.15 32.15	30 30	39.85 39.85				2		2				22 32	Department of Power engineering Department of Production equipment
Renewable energy sources	5		5					3	108	62.15	60	45.85	40.75					3				22	engineering Department of Power engineering
Water treatment Turbines of thermal and nuclear power plants	5			5				6	144 216	50.25 80.25	46 60	51 93	42.75 42.75					6				22	Department of Power engineering Department of Power engineering
Energy saving in heat power engineering and heat technology	6							4	144	64.25	60	46	33.75						4			22	Department of Power engineering
Boller plants and steam generators Electrical equipment of power plants	6	6		6				6 3	216 108	96.25 46.15	74 44	77 61.85	42.75						6 3			22	Department of Power engineering Department of Power engineering
Thermal and nuclear power plants Thermal mechanical and auxiliary equipment of power plants	7	6		7	7			8	288 216	128.4 81.25	104 60	125.85 101	33.75 33.75						2	6		22 22	Department of Power engineering Department of Power engineering
Modes of operation and operation of thermal power plantsi			7					3	108	62.15	60	45.85								3		22	Department of Power engineering
Thermal processes automation Elective courses	8			8				5	180	60.25	44	77	42.75								5	11	Department of Production processes automation
Development of Russian power engineering		<b>2</b> 2						<b>2</b>	72 72	32.15 32.15	22 22	39.85 39.85			2							71	Department of History
Development of regional power engineering Elective modules	788	2 7888						2 24	72 864	32.15 377.35	22 348	39.85 385.4	101.25		2					7	17	71	Department of History
Elective module 1. Operation of thermal power plants (TPP) Combined-cycle and gas turbine plants	<b>788</b>	7888		<u> </u>		ĻТ		<b>24</b> 4	<b>864</b> 144	377.35 64.25	348 60	<b>385.4</b> 46	<b>101.25</b> 33.75							7	17	22	Department of Power engineering
Installation, testing, adjustment and diagnostics of thermal power equipment	8	7						4 7	252	106.4	100	46	33.75							3	4	22	Department of Power engineering
Environmental technologies at thermal power plants Fundamentals of district heating	$\vdash$	8		<u> </u>		ĻТ		3	108 108	44.15 46.15	34 44	63.85 61.85	$\vdash$								3	42 22	Department of Technosphere safety and environmental management Department of Power engineering
Fundamentals of district heating Water-chemical regimes of power plants	8	•					_	4	108	46.15	44 66	61.85 40	33.75		L			L			4	22	Department of Power engineering Department of Power engineering
Rationing of fuel and energy resources at thermal power plants Elective module 2. Water and fuel technology at thermal	<b>—</b>	8						3	108	46.15	44	61.85	<b>—</b>								3	22	Department of Power engineering
power plants (TPP)	<b>788</b>	7888				$\vdash$		<b>24</b> 4	<b>864</b>	387.35 64.25	358 60	<b>375.4</b> 46	<b>101.25</b> 33.75							7	17	22	Department of Power engineering
Technology of fuel and energy oils at thermal power plants Design of auxiliary heat and power equipment	8	7				$\left  \right $		4	144 252	64.25 106.4	60 100	46	33.75							4	4	22	Department of Power engineering Department of Power engineering
Fuel supply of TPP	-	8				F		3	108	54.15	44	53.85	-								3	22	Department of Power engineering
Automation of water treatment plants at thermal power plants Fundamentals of chemical and technological processes at thermal		8				$\vdash$		3	108 144	46.15	44 66	61.85 40	33.75								3	22	Department of Power engineering Department of Power engineering
	8		<u> </u>		-			3	108	46.15	44	61.85									3	22	Department of Power engineering
power plants Water desalination and wastewater treatment at thermal power	8	8						18	648	648					3		3		6		6		۱ 
power plants Water desalination and wastewater treatment at thermal power plants Unit 2.Practical training	8	8											1		3		3		6				
power plants Water desaination and wastewater treatment at thermal power plants Unit 2.Practical training Core part Academic training	8	8	24					18 6	648 216	648 216					3						6		Department of Production on viewant
power plants Water desalination and wastewater treatment at thermal power plants Unit 2.Practical training Core part	8	8	<b>24</b> 2 4					18							3		3				6	32 22	Department of Production equipment engineering Department of Power engineering
power plants Water desaination and wastewater treatment at themai power plants Unit 2.Practical training Core part Academic training Introductory practice Major practice On-the-job training	8	8	2 4 68					18 6 3 3 12	216 108 108 432	216 108 108 432									6		6	22	engineering Department of Power engineering
powe plants Wate desaination and wastewater treatment at themail power plants Unit 2.Practical training Core part Academic training Introductory practice Major practice On-the-job training Technological practice Pergeduator practice	8	8	2					18 6 3 12 6 6	216 108 108 432 216 216	216 108 108									6		6	22	engineering
powe plants Wate desaination and wastewater treatment at themal power glants Unit 2-Practical training Core part Academic training Toroductory practice Major practice On-the-job training Technological practice Pregnaduation practice Unit 3-Pregnaduation practice Preparation for the defines procedure and defense of the final	8	8	2 4 68 6					18 <b>6</b> 3 <b>12</b> 6	216 108 108 432 216	216 108 108 432 216			216						-		6	22	engineering Department of Power engineering Department of Power engineering
powe plants Wate desaination and wastewater treatment at themal power plants Unit 2.Practical training Core part Academic training Introductory practice Major practice Major practice Major practice Technological practice Prograduation	8		2 4 68 6					18 6 3 12 6 6 6 6 6 8	216 108 432 216 216 216 216 216 216 288	216 108 432 216 216 126.6	126	161.4				2		2	-	2	6 6 6	22 22 22 22	engineering Department of Power engineering Department of Power engineering Department of Power engineering
over pints vare desaination and wastewater treatment at themal power plants Unit 2.Practical training Core part Academic training Introductory practice Magir practice On-the-job training Technological practice Pregnatation practice Unit 3.Pregnatuation practice Preparation for the defense procedure and defense of the final apalification version	8	8 5 3	2 4 68 6					18 6 3 12 6 6 6 6 6	216 108 432 216 216 216 216 216	216 108 432 216 216	126 30	161.4 41.85 55.85				2		2	-	2	6 6 6	22 22 22 22	engineering Department of Power engineering Department of Power engineering Department of Power engineering
over pints vater desaination and wastewater treatment at themal power plants Unit 2.Practical training Core part Academic training Introductory practice Major practice Orn-the-job training Technological practice Pregnatuston practice Unit 3.Pregnatuation practice Pregnatuston for the defense procedure and defense of the final qualification work Elective courses Research workshop Information and biolographic culture Practice-oriented course "Internet of things"		537	2 4 68 6					18 6 3 12 6 6 6 6 8 8 2	216 108 108 432 216 216 216 216 216 288 72 72 72 144	216 108 432 216 216 126.6 30.15 16.15 80.3	30 16 80	41.85							-	2	6 6 6	22 22 22 22	engineering Department of Power engineering Department of Power engineering Department of Power engineering
powe pints Nate desaination and wastewater treatment at themal power parts Unit 2.Practactal training Core part Academic training Introductory practice Major practice Major practice Pregnaduation practice Pregnaduation practice Unit 3.Pregnaduation practice Pregnaduation practice Unit 3.Pregnaduation practice Regnaduation work: Elective courses Research workinop Information and bibliographic culture		537	2 4 6 8					18 6 3 12 6 6 6 6 6 6 8 2 2 2	216 108 432 216 216 216 216 216 288 72 72 72	216 108 108 432 216 216 126.6 30.15 16.15	30 16	41.85 55.85							-		6 6 6 2	22 22 22 22	engineering Department of Power engineering Department of Power engineering Department of Power engineering
powe plants Wate desilination and wastewater treatment at themal power plants Unit 2.Practical training Core part Academic training Introductory practice Major practice Major practice Core the -job training Technological practice Phograduation practice Mint 3.Prograduation practice Phograduation practice Phograduation practice Phograduation practice Phograduation practice Phograduation practice Research working Information and bibliographic culture Photoco-printed course "Internet of things" Elective course (modules) in Physical education and		5 3 7	2 4 6 8					18 6 3 12 6 6 6 6 6 6 8 2 2 2	216 108 432 216 216 216 216 216 216 288 72 72 72 144 330	216 108 432 216 216 126.6 30.15 16.15 80.3 330	30 16 80 330	41.85 55.85							-		6 6 6 2	22 22 22 22	engineering Department of Power engineering Department of Power engineering Department of Power engineering