

Name	Form of assessment					Credits	Total academic hours					Year 1		Year 2		Assigned department		
	Examination	Pass/ fail test	Pass/ fail exam with a grade	Module test	Calculation and graphic work		Fact	As scheduled	Work with a teacher	Class-room	Self-study	Control	Semester 1	Semester 2	Semester 3	Semester 4	Code	Name
													Credits	Credits	Credits	Credits		
Unit 1.Disciplines (modules)						66	2376	752	752	1053.35	337.5	22	20	24				
Core part						21	756	190	190	429.25	67.5	4	14	3				
Foreign language	2		1			6	216	60	60	115.85	33.75	2	4			45	Department of Foreign languages	
Decision theory			2			3	108	26	26	69.85			3			52	Department of Management	
Project management			3			3	108	26	26	69.85				3		51	Department of Economics and finances	
Theory and practice of engineering research	2		1			6	216	52	52	103.85	33.75	2	4			22	Department of Power engineering	
Organizational behavior			2			3	108	26	26	69.85				3		52	Department of Management	
Part formed by the educational process participants						45	1620	562	562	624.1	270	18	6	21				
Information technologies of professional activities		1				2	72	18	18	43.85		2				12	Department of Control systems and computer engineering	
Hydrodynamics and heat transfer in liquids		1				2	72	36	36	23.85		2				22	Department of Power engineering	
Structural strength of thermal power equipment		1				2	72	22	22	39.85		2				22	Department of Power engineering	
Heat and electricity production at thermal power plants	1					4	144	34	34	64	33.75	4				22	Department of Power engineering	
Combined-cycle and gas turbine technologies at thermal power plants		2				2	72	34	34	35.85			2			22	Department of Power engineering	
Boiler plants and steam generators (master degree course)	3					4	144	54	54	42	33.75			4		22	Department of Power engineering	
Turbines of thermal power plants (master degree course)	3					4	144	54	54	42	33.75			4		22	Department of Power engineering	
Methods for studying the processes of steam generation in thermal power plants	2				2	4	144	54	54	41	33.75		4			22	Department of Power engineering	
Gas piston power plants	1			1		4	144	90	90	3	33.75	4				22	Department of Power engineering	
Elective courses	1					4	144	34	34	62	33.75	4						
Gas supply systems for thermal power plants	1					4	144	34	34	62	33.75	4				23	Department of Construction	
Technical methods of gas combustion	1					4	144	34	34	62	33.75	4				23	Department of Construction	
Elective courses	3			3		3	108	22	22	72.85				3				
Digital design of thermal power equipment	3			3		3	108	22	22	72.85				3		22	Department of Power engineering	
Calculations of thermal schemes of thermal power plants	3			3		3	108	22	22	72.85				3		22	Department of Power engineering	
Elective courses	3					4	144	26	26	70	33.75			4				
District heating systems	3					4	144	26	26	70	33.75			4		22	Department of Power engineering	
Modern technologies of water treatment and water chemistry at thermal power plants	3					4	144	26	26	70	33.75			4		22	Department of Power engineering	
Elective courses	3					4	144	44	44	60	33.75			4				
Electrical part of thermal power plants	3					4	144	44	44	60	33.75			4		22	Department of Power engineering	
Electrical machines of thermal power plants	3					4	144	44	44	60	33.75			4		22	Department of Power engineering	
Elective courses	3					2	72	40	40	23.85				2				
Environmental safety of thermal power plants	3					2	72	40	40	23.85				2		22	Department of Power engineering	
Environmental issues of production and use of thermal energy	3					2	72	40	40	23.85				2		22	Department of Power engineering	
Unit 2.Practical training						45	1620					3	15	3	24			
Part formed by the educational process participants						45	1620					3	15	3	24			
Academic training			1			3	108					3						
Research practice			1			3	108					3				22	Department of Power engineering	
On-the-job training			22344			42	1512						15	3	24			
Scientific research work			23			6	216					3	3			22	Department of Power engineering	
Technological practice			24			24	864					12		12		22	Department of Power engineering	
Pregraduation practice			4			12	432							12		22	Department of Power engineering	
Unit 3.State final examination						9	324								9			
Preparation for the defense procedure and defense of the final qualification work						9	324								9	22	Department of Power engineering	
Elective courses						4	144	60	60	83.7			4					
Spoken foreign language (English)		2				2	72	30	30	41.85			2					
Spoken foreign language (German)		2				2	72	30	30	41.85			2					