

Code n/a	Components of the educational-professional program (education disciplines, course projects (paper), practice, qualification work)	Amount of credits ECTS	The final control
1	2	3	4
<b>1. GENERAL TRAINING CYCLE</b>			
<b>Compulsory components EPP</b>			
1.	High Maths	15	exam
2.	Physics	10	exam
3.	Theoretical mechanics.	3	exam
4.	Chemistry	3	exam
<b>Compulsory components by decision of the Academic Council of the University</b>			
1.1	Foreign Language	4	exam
1.2	Philosophy	3	exam
1.3	History of Ukraine	3	exam
1.4	Ukrainian for Professional Purposes	3	exam
1.5	Physical Education	10	tests
1.6	Ethnocultural	3	exam
<b>2. SPECIAL (PROFESSIONAL) TRAINING CYCLE</b>			
<b>Compulsory components EPP</b>			
5	Engineering Graphics	3	exam
6	Computer Technologies and Programming	3	exam
7	Technical thermodynamics	11	exam
8	Foundations of Automation	4	exam
9	Fundamentals of electrical engineering and electromechanics	3	exam
10	Control and measuring devices and apparatus	4	exam
11	Fundamentals of Electricity Supply in Agroindustrial complex	4	exam
12	Hydro-gas dynamics	8	exam
13	Thermal networks	3	exam
14	Fundamentals of Heat Mass Transfer processes	8	exam
15	Heat power installations and systems	8	exam
16	Thermal power plants	4	exam
17	Software of Engineering Calculations	4	exam
18	Water supply and drainage	4	exam
19	Fundamentals of Electric Drive	7	exam
20	Energy-saving technologies and use of energy resources	3	exam
21	Economy and Energy Services Organization.	3	exam
22	Heat-technological processes in the processing of agricultural products	3	exam
23	Electronics and Microprocessor Technics	3	exam
<b>The total amount of Compulsory components</b>		<b>121</b>	
<b>Compulsory components by decision of the Academic Council of the University</b>			
1.5.	Introduction to speciality	3	exam
1.6.	Safety and life	3	exam
1.7.	Material science and technology of materials	3	exam
<b>The total amount of Compulsory components by decision of the Academic Council of the University</b>		<b>35</b>	
<b>Optional components EPP</b>			
<b>Optional components by specialty (block 1)</b>			
1.1	Generation and transportation of electricity at power station	120	exam
1.2	Renewable sources of electric energy	120	exam
1.3	Electrical Technologies in Agriculture	90	exam
1.4	Accumulation of thermal and electric energy	120	exam
1.5	Fundamentals of Scientific Research	90	exam
1.6	Diagnosis and maintenance of power equipment	90	exam
1.7	Modeling of heat transfer processes and hydrodynamics	120	exam
1.8	Accounting and regulation of energy costs	120	exam
1.9	Alternative sources of thermal energy	120	exam
1.10	Design of systems of electric and heat supply of objects of agrarian and industrial complex	120	exam

1.11	Heat supply, heating and ventilation systems	120	exam
1.12	Gas supply	90	exam
1.13	Energy audit of objects of electric and heat consumption	120	tests
1.14	Fundamentals of maintenance and service of power equipment	90	exam
1.15	Basics of Business, Management and Marketing	90	exam
<b><i>Optional components by Student's Choice</i></b>			
1	<i>Elective discipline 1</i>	3	exam
2	<i>Elective discipline 2</i>	3	exam
<b>Total</b>		<b>60</b>	
<b>OTHER TYPES OF TRAINING</b>			
Educational Practice		10	test
Industrial Practice		5	test
Diploma Project		9	defense of Bachelor work
<b>THE TOTAL AMOUNT OF EPP</b>		<b>240</b>	