

V. Plan of Educational process

Code	Subjects	Distribution for terms (semesters)				ECTS Credits	Number of hours				
		Exams	Final tests	Individual task	Module test		Total	Lectures/practical lessons			Self-study
								Lectures	Practical	Laboratory	
1	2	3	4	5	6	7	8	9	10	11	12
1. Normative educational components											
1.1. General training cycle											
GM 1	Intellectual Property and Patenting		1		1	3	54	36	18		36
GM 2	Sustainable Innovative Development		1		1	2	36	18	18		24
GM 3	Management of Startup Projects		2		2	3	54	18	36		36
GM 4	Workshop on Foreign Language Scientific Communication		2	1	1	3	72		72		18
total number of part 1.1			4	1	4	11	216	72	144		114
1.2. Vocational training cycle											
VM 1	Energy and Resource Saving in Energetics	1		1	1	4	54	36	18		66
VM 2	Course Work on Energy and Resource Saving in Energetics		2			1					30
VM 3	Methods of Thermodynamic Analysis of Plants and Systems Subject	1		1	1	5	72	54	18		78
VM 4	Design of Thermal and Nuclear Power Plants	1				5	72	36	36		78
VM 5	Course Project on Design of Thermal and Nuclear Power Plants		1			1.5					45
VM 6	Combined Energy Generation		1	1	1	2	36	18	18		24
VM 7	Automated control systems for thermal energy processes		1		1	4	72	36		36	48
VM 8	Organization and planning of a scientific experiment		2		2	3.5	54	36		18	51
total number of part 1.2		3	5	3	5	26	360	216	90	54	420

I.3. Science (Research) component											
VM 9	Scientific Work on the Topic of Master's Thesis		1.2			4	54	18	36		66
VM 10	Research practice		4			14					420
VM 11	Master's Thesis Implementation					12					360
total number of part 1.3			3			30	54	18	36		846
TOTAL of NORMATIVE educational components		3	12	4	9	67	630	306	270	54	1380
2. Optional educational components											
2.1. Vocational training cycle (Optional educational components from faculty / department catalogs)											
VO 1	Educational component 1. P-Catalog	2		2	2	5	54	36	18		96
VO 2	Educational component 2. P-Catalog	2		2	2	5	54	36	18		96
VO 3	Educational component 3. P-Catalog		2	2	2	4	54	36	18		66
VO 4	Educational component 4. P-Catalog		2	2	2	4	54	36	18		66
VO 5	Educational component 5. P-Catalog	2		2	2	5	54	36	18		96
total number of part 2.1			2	5	5	23	270	180	90		420
TOTAL of OPTIONAL educational components		3	2	5	5	23	270	180	90		420
TOTAL		6	14	9	14	90	900	486	360	54	1800

Approved by University Academic Council, Meeting protocol № 3 from March 15, 2021

Act. Head of the Department _____ /Olga CHERNOUSENKO/

Dean of the Faculty (Director of the Institute) _____ / Yevhen PYSMENNY/