

7/II	Monitoring and Control of Chemical Technological Processes	7				4,5	135	54	27		27	81								3			
8/II	Analytical Chemistry		3д			4	120	72	18		54	48			4								
9/II	Instrumental Methods of Chemical Analysis	5				4	120	54	18		36	66							3				
10/II	Physical Chemistry: 1. hemical Thermodynamics. Phase Equilibria and Solutions 2. Chemical Kinetics. Electrochemistry	5	6д			10,5	315	180	90	18	72	135							6	4			
11/II	Surface Phenomena and Disperse Systems	4				5	150	72	36		36	78						4					
	total number of part I.2	7	7	1		63,5	1905	990	459	190	341	915	3		4	4		12	17	15			
I.3. Basic training (optional courses)																							
1/III	Ecology		5д			2	60	36	18	18		24							2				
2/III	Energy Technologies of Chemical Technological Processes		5			2	60	36	18	18		24							2				
3/III	Electrical Engineering and Fundamentals of Electronics		2д			2	60	36	18		18	24		2									
4/III	Information Technologies		1д			3	90	54	18		36	36	3										
5/III	Computer Graphics		2д			3	90	54	18		36	36		3									
6/III	Pre-diploma Practice		8д			7,5	225					225								X			
7/III	Diploma Project					6	180					180								X			
	total number of part I.3		6			25,5	765	216	90	36	90	549	3	5				4					
I.4. Humanities training (optional courses)																							
1/IV	History of Ukraine		1			2	60	36	18	18		24	2										
2/IV	Ukrainian for Specific Purposes		2			2	60	36	18	18		24		2									
3/IV	Philosophy		4			2	60	36	18	18		24					2						
4/IV	Psychology		2			2	60	36	18	18		24		2									
5/IV	Law		3			2	60	36	18	18		24			2								
6/IV	History of Ukrainian Culture		5			2	60	36	18	18		24							2				
7/IV	Politology		5			2	60	36	18	18		24							2				
8/IV	Foreign Language: 1. Introduction to Foreign Language for General Engineering 2. Foreign Language for General Engineering		2, 4д			6	180	144		144		36	2	2	2	2							
9/IV	Foreign Language for Specific Purposes: 1. Foreign Language for Specific Purposes 2. Foreign Language for Professional Communication. Bussiness Foreign Language		6, 7д			4	120	90		90		30							2	1	2		
	total number of part I.4		11			24	720	486	126	360		234	4	6	4	4		6	1	2			
TOTAL IN GENERAL TRAINING		16	24	1		167,5	5025	2538	1107	766	665	2487	28	28	16	12	22	18	17	0			
II. VOCATIONAL TRAINING																							
II.1. Vocational and practical training (major courses)																							
1/c	Applied Chemistry of Inorganic Ceramic Materials	3				7	210	108	36	18	54	102						6					
2/c	Structural chemistry of silicates		3д			2	60	36	18	18		24						2					
3/c	Fundamentals of technology of silicate materials		3д		3	4	120	54	36		18	66						3					
4/c	Crystal chemistry		4д			3	90	54	36	18		36					3						
5/c	The theoretical basis of ceramics and glass technology	5			5	7	210	90	36	18	36	120							5				
6/c	Chemistry of silicon		6			2	60	36	36			24							2				
7/c	Physical chemistry of refractory non-metal and silicate materials	6				8	240	126	54	36	36	114								7			
8/c	Thermal processes and devices in the technology of ceramics and glass	7		7		8	240	90	36	18	36	150								5			
9/c	Basics of designing ceramics and glass manufacturing	8				3,5	105	45	18	9	18	60								5			
10/c	Chemical technology of ceramics		8д		8	4	120	54	18		36	66								6			
11/c	Chemical technology of glass	8				3,5	105	45	18		27	60								5			
	total number of part II.1	6	5	1	3	52	1560	738	342	135	261	822						11	3	7	7	5	16
II.2. Vocational and practical training (optional courses)																							
1/cb	Educational discipline of technical analysis, standardization, certification ceramics and glass	4			4	9,5	285	144	36	36	72	141							8				
2/cb	Educational discipline on the basis of materials science refractory compounds		4			4	120	72	36	36		48							4				
3/cb	Educational discipline on ecological safety of technological processes in the industry		7			3	90	36	36			54								2			
4/cb	Educational discipline with modern equipment of technological processes of the branch		8			2	60	36	18	18		24								4			
5/cb	Educational discipline on the methodology of scientific research		8			2	60	36	18		18	24								4			
	total number of part II.2	1	4		1	20,5	615	324	144	90	90	291							12		2	8	
TOTAL IN VOCATIONAL TRAINING		7	9	1	4	72,5	2175	1062	486	225	351	1113			11	15	7	7	7	24			
TOTAL		23	33	2	4	240	7200	3600	1593	991	1016	3600	28	28	27	27	29	25	24	24			

Approved by Faculty Academic Council, Meeting protocol № 4 from April 24, 2017

Head of the Department _____ / Kornilovych B.Yu. /

Dean of the Faculty (Director of the Institute) _____ / Astrelin I.M. /