



**CURRICULUM**

(Enrolment 2017)

APPROVED

by Rector of Igor Sikorsky Kyiv Polytechnic Institute

Level Master  
Speciality 101 Ecology  
Specialization Environmental Safety  
Profile program Educational and Professional  
Graduation Department Ecology and Plant Polymers Technology

Form of study full-time  
(full-time, part-time)  
Faculty (Institute) Chemical Engineering  
Qualification Engineer in Environmental Protection, Master Degree in Ecology  
Study duration 1 year 4 months  
Base level Bachelor degree

Michael Zgurovsky  
2017

I. Schedule of educational process																																																						
YEAR	September				October				November				December				January				February				March				April				May				June				July				August									
I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52		
II	P	P	P	P	P	P	P	P	R	R	R	R	R	R	R	R	R	R	A																																			

Symbols: ■ Learning period ■ Examination ■ Practice ■ Research ■ Assessment ■ Holiday

II. Summary table of time budget (Weeks)							
YEAR	Learning period	Examinations	Practice	Assessments	Research	Holiday	Total
I	36	4				12	52
II			8		10		18

III. Practice		
Type of practice	YEAR	Weeks
Pre-diploma	2018	8

IV. Graduates assessment		
Subjects	Form of graduates assessment (exam, graduation project)	YEAR
Master's Thesis Implementation	Master's Thesis Defence	2018

V. Plan of Educational process												
Code	Subjects	Distribution for terms (semesters)					ECTS Credits	Number of hours				
		Exams	Final tests	Course projects	Coursework	Total		Lectures/practical lessons			Self-study	
								Lectures	Practical	Laboratory		
1	2	3	4	5	6	7	8	9	10	11	12	

I. GENERAL TRAINING												
I.1. Basic training (major courses)												
1	Patenting and Intellectual Property					1	3	90	36	18	36	
2	Environmental Management and Audit	1					4	120	36	18	66	
total number of part I.1		1	1				7	210	72	36	102	
I.2. Basic training (optional courses)												
3	Workshop on Scientific Communication in Foreign Language		2				3	90		72	18	
4	Management Subject		2				3	90	18	36	36	
5	Subjects on Sustainable Development Problems		1				2	60	18	18	24	
total number of part I.3			4				8	240	36	126	78	
I.3. Science Research (optional courses)												
6	Scientific Work on the Topic of Master's Thesis		1g,2				4	120	9		36	75
7	Pre-diploma Practice		3g				14	420				420
8	Master's Thesis Implementation						16	480				480
total number of part I.3			2g+1				34	1020	9		36	975
TOTAL IN GENERAL TRAINING		1	2g+6				49	1470	117	162	36	1155
II. VOCATIONAL TRAINING												
II.1. Vocational and practical training (major courses)												
9	Environmental Standardization and Certification	2					3	90	36			54
10	Modern Approaches to Environmental Protection	2					4	120	36	18		66
11	Perspective Research Directions in Environmental Protection		1g,2		2	11,5	345	9			144	192
total number of part II.1		2	1g+1		1	18,5	555	81	18	144		312
II.2. Vocational and practical training (optional courses)												
12	Subject on Mathematical Statistics in Ecology	1			1	8	240	36	18	54		132
13	Subject on Information Technologies		2g				3	90	18	18		54
14	Subject on Waste Management	1				4,5	135	36			36	63
15	Subject on Environmental Inspection		2g				3	90	27	9		54
16	Subject on Alternative Energy Sources	2				4	120	36	18			66
total number of part II.2		3	2g		1	22,5	675	153	63	90		369
TOTAL IN VOCATIONAL TRAINING		5	2g		2	41	1230	234	81	234		681
TOTAL		6	5g+7		2	90	2700	351	243	270		1836

Approved by Faculty Academic Council, Meeting protocol № \_\_\_ from April 25, 2017

Head of the Department \_\_\_\_\_ / Gomelya M.D. /  
Dean of the Faculty \_\_\_\_\_ / Panov E.M. /