

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

(Enrolment 2017)

APPROVED					(Enroln	nent 2017)																	
by Rector of Igor Sikorsky Kyiv Polytechnic Institute	Level	Level Master							Form of study							full-time							
Michael Zgurovsky		ity	122 Computer Science					Faculty (Institute)							^(full-time, part-time) Institute for Applied System Analysis								
2017	Special	ization	Artifi	Artificial Intelligence Systems						Qualification					_	Computer Systems Analyst							
	Profile	program	Educ	Educational and Scientific						Study duration							1 year 9 months						
	Gradua	tion Depar	tment	Mathematical Methods for System Analysis						Base level						Bachelor degree							
			I. Sched	lule of e	educati	onal proce	ess																
Construction September October November 1 2 3 4 5 6 7 8 9 10 11 12 13	Decem		January	Ja	anuary	March		April			lay			June	Ð			July			Au	igust	
₩ 1 2 3 4 5 6 7 8 9 10 11 12 13	14 15 16			23 24 25	5 26 27	28 29 30	31 32	33 34	35 3	36 37	38	39				3 44			-		9 50		
			ЕНН										_	E	EH	нн	нн	I H	н	H	нн	н	Н
		EE			P P			RR	RR	R	R	Α											
Symbols: Learning period E Examination	P Practi	ice F	Research	A	Assessm	ent H	Holiday																
II. Summary table of time budget (Weeks)	III. Practice							IV. Graduates assessment															
Examinatio period n Practice nt Research Holiday T	otal	Type of pr	actice	YEAR	Week	s			Subjects					Form of graduates asse (exam, graduation pro									
	52	Pre-diploma	Practice	1	5				Ν			Master's Thesis Imple					plementation			I			
II 18 2 5 2 10 2	39				1																	1	
	V Plan of F	ducationa	Incocose																				

	V. Plan of	Educa	tional	proces	s									
		Dist		n for te	rms			Num	oer of h	nours				
			(seme	esters)	1				ures/prac					
		Exams		Course projects	¥	edits		Lect	lessons	Jucai				
Code	Subjects		Final tests		Coursework	ECTS Credits	Total	Lectures	Practical	Laboratory	Self-study			
1	2	3	4	5	6	7	8	9	10	11	12			
	I. GEN	ERAL	TRAI	NING										
	I.1. Basic tra	ining	(majo	or cou	rses)									
1/I	Patenting and Intellectual Property		1			3	90	36	18		36			
2/I	Methods and Technologies of Computational Intelligence	1			1	5.5	165	54		18	93			
3/I	Big Data Processing and Analysis	2				4.5	135	54		18	63			
	total number of part I.1	2	1		1	13	390	144	18	36	192			
I.2. Basic training (optional courses)														
1/II	Subjects on Sustainable Development Problems		1			2	60	18	18		24			
2/II	Pedagogy Subjects		2			2	60	30	6		24			
3/II	Subjects on Startup Projects Development		2			3	90	18	36		36			
4/11	Workshop on Scientific Communication in Foreign Language		2, 3			4.5	135		108		27			
	total number of part 1.3		5			11.5	345	66	168		111			
	I.3. Science Res	earch	i (opt	ional o	course	es)								
1/11	Fundamentals of Scientific Research		1			2	60	9	18		33			
2/111	Scientific Work on the Topic of Master's Thesis		1			5.5	165		18		147			
3/111	Pre-diploma Practice		4			9	270				270			
4/111	Master's Thesis Implementation					21	630				630			
	total number of part I.3	-	2			37.5	1125	9	36		1080			
	TOTAL IN GENERAL TRAINING	2	8		1	62	1860	219	222	36	1383			
	II. VOCA	-			-									
	II.1. Vocational and pr		il train	ning (n	najor (~~	1					
1/c 2/c	Pattern Recognition Systems Financial Markets Modeling and Analysis	3	3d			5 3.5	150 105	36 36	18	18	96 51			
2/c 3/c	Forecasting in Economics and Finance		30			3.5	105	36	18		51			
4/c	Cognitive Modeling		1d			3	90	36	18		36			
5/c	Intelligent System for Decision-Making		2			3	90	36	18		36			
6/c	High-Local Distributed Computer Systems	1				4	120	36		18	66			
7/c	Fuzzy Models and Methods in Intelligent Systems	3			3	6.5	195	54	18		123			
	total number of part II.1	3	4		1	28.5	855	270	90	36	459			
	II.2. Vocational and pra	ctical	traini	ng (op	tional	cours	es)							
1/св	Marketing		2			2	60	28	8		24			
2/св	Risk-Management by Data Mining Methods		2d			3	90	36	18		36			
3/св	Multi-agent Systems	1				4	120	36		18	66			
4/св	Computer Information Systems in Economics and Finance	2				4	120	36		18	66			
5/св	Software Support for Intelligent Networks	_	3	L		3.5	105	36		18	51			
6/св	Modern Programming Technologies	2			2	5	150	36		18	96			
7/св	Robotics Advanced Systems Selforganization and Evolutive	3				5	150	36		18	96			
8/св	Economics		1d			3	90	36	18		36			
	total number of part II.2	4	4		1	29.5	885	280	44	90	471			
	TOTAL IN VOCATIONAL TRAINING	7	8		2	58	1740	550	134	126	930			
	TOTAL	9	16	I	3	120.0	3600	769	356	162	2313			

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

 Head of the Department
 O.L.Tymoschuk

 Dean of the Faculty (Director of the Institute)
 V.D.Romanenko