

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

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

CURRICULUM

			ΑI	PΡ	RO	۷E	D																					(En	rolr	ner	it 20)17)																			
k	by Rector of Igor Sikorsky Kyiv						Lev	.evel			Master								Form of study							full-time																										
	Polytechnic Institute Michael Zgurovsky						Spe	cial	lity	Α	uto	mat	io	n ar	nd (Con	ηpι	ıter	r Int	egı	rate	d T	ech	nol	ogi	es		-	Fac	cult	у о	f CI	hen	nica	al T	ech	nol	ogy	,	(full-	time,	part-	time)									
	2017					Spe	cial	lizat	ion	_ '	Con	np			teg: mic										nab	le	-	Qu	alif	icat	tion	1	Ма	aste		n Au tegr							ute	er-								
						Prof	ile	prog	grai	m		E	Edu	cat	iona	al a	nd	Sc	ien	tific							-				Stı	ıdy	du	rati	on			1 y	/ear	9 r	nor	nths	;									
	Graduation Departme				ent	:	1	Depa	ertn	nen	t of	Cy	ybe	rne	tics	of	Ch	em	ica	ΙTe	chr	olo	gy	Pro	ces	sses	s				Ва	se l	leve	el				Ва	che	lor	de	gree	e	-								
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YEAR		Septe	embe	er		0	ctobe	er			No	vemb	er		D	ecemi	er		-	Jar	nuary			F	ebru	uary			Ma	rch			Α	pril			M	ay			Jı	une			_	July		_		Aug	ust	_
ΥE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16 1	7 1	8 19	9 20) 2	21 2	22	23 2	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
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Syn	bols	s:			Lea	rning	perio	od	Ε	Exam	nina	tion			P F	ractio	е		R	F	Resea	rch		Ī	A	Asse	ssm	ent		Н	Hol	iday				,																_

II. Summary table of time budget (Weeks)

YEAR	Learning period	Examinatio n	Practice	Assessme nt	Research	Holiday	Total
ı	36	4			0	12	52
II	18	2	5		12	2	39

- 111	. Pra	ctic

III. 1 TO	CLICE		
Type of practice	YEAR	Weeks	_
Scientific and research	2	8	

IV. Graduates assessment

Subjects	Form of graduates assessment (exam, graduation project)	YEAR	
Master Thesis	Graduation project	2	ı
			1

	V. Plan of Educational proc	ess									
		Dis	tributio		rms			Numl	per of h	nours	
			(seme	sters)		s		Lect	ures/prac	ctical	
Code	Subjects	Exams	Final tests	Course projects	Coursework	ECTS Credits	Total	Lectures	Practical Practical	Laboratory	Self-study
1	2	3	4	5	6	7	8	9	10	11	12
	I. GENERAL TRAINING I.1. Basic training (major co		.,								
1/I	Patent science and Intellectual Property	urses	1			3	90	36	18		36
2/I	Modern Theory of Automatic Control 1. Applied Automatic Control Theory 2. Synthesis of Control Systems Software	2	1			8	240	36	36	36	132
	total number of part I.1	1	2			11	330	72	54	36	168
2/1	I.2. Basic training (optional o	ourse	es) 2					40	40		24
3/I 4/I	Academic discipline of Sustainable Development Problems		2			3	60 90	18 18	18 36		
	Academic discipline of Management							18			36
5/I	Foreign Language for Specific Purposes		2, 3			4,5	135	20	108		27
6/I	Academic discipline of Pedagogy		3			2 11.5	60 345	30 66	6 168		24 111
	total number of part 1.3 I.3. Science Research (optiona	l cou			<u> </u>	11,3	343	00	100		111
7/I	Scientific Research 1. Fundamentals of Scientific Research 2. Reserch		1, 3			7,5	225	9	36		180
8/I	Scientific and Research Practice		4			9	270				270
9/I	Master Thesis Implementation					21	630				630
	total number of part I.3		3			37,5	1125	9	36		1080
	TOTAL IN GENERAL TRAINING	1	9			60	1800	147	258	36	1359
	II. VOCATIONAL TRAINII			\							
1/vm	II.1. Vocational and practical training System Analysis	(majo	r cour	ses)	1	8	240	36	36	36	132
2/vm	Modeling of Energy Saving and Ecological Systems	1			•	4	120	18	18	18	66
3/vm	Optimization of Complex Technological Systems 1. Optimization of Complex Technological Systems' Methods 2. Optimization of Complex Technological Systems' Applied Problems	2	1			9	270	54	36	45	135
4/vm	Sustainable Automated Production Complexes		2		2	4	120	36		18	66
5/vm	Computer-Integrated Systems of Automatic Control	3				5,5	165	36		36	93
6/vm	Modern Information Technologies	3		3		8	240	36	18	36	150
	total number of part II.1	5	2	1	2	38,5	1155	216	108	189	642
	II.2. Vocational and practical training (option	nal cou	ırses)	1	ı			I	I	ı
	, , ,					4	120			27	66
1/vo	Academic discipline of Modeling Objects and Systems in Industry	1						27			
2/vo	Academic discipline of Modeling Objects and Systems in Industry Academic discipline of Artificial Intelligence	1 2				5	150	36	18	18	78
2/vo 3/vo	Academic discipline of Modeling Objects and Systems in Industry Academic discipline of Artificial Intelligence Academic discipline of Automation Systems' Standardization		2			5	150 90	36 18	27	18	78 45
2/vo 3/vo 4/vo	Academic discipline of Modeling Objects and Systems in Industry Academic discipline of Artificial Intelligence Academic discipline of Automation Systems' Standardization Academic discipline of Experimental Researches' Problems	2	2 3			5 3 3,5	150 90 105	36 18 36	27 18	18	78 45 33
2/vo 3/vo	Academic discipline of Modeling Objects and Systems in Industry Academic discipline of Artificial Intelligence Academic discipline of Automation Systems' Standardization	3	3			5 3 3,5 6	150 90 105 180	36 18 36 36	27 18 18	18 18 18	78 45 33 108
2/vo 3/vo 4/vo	Academic discipline of Modeling Objects and Systems in Industry Academic discipline of Artificial Intelligence Academic discipline of Automation Systems' Standardization Academic discipline of Experimental Researches' Problems	2		0	0 2	5 3 3,5	150 90 105	36 18 36	27 18	18	78 45 33

Approved by Faculty Academic Council, Meeting protocol №4 from April 25, 2017

Head of the Department	/ Dr T Boiko /	Dean of the Faculty	/Prof I Astrolin/