

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

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

## CURRICULUM

PROVED							_	rolment		-					
	Sikorsky Kyiv Polytechnic Institute	_evel		Ма	ster									Form of study	full-tim
		Speciality												Faculty (Institute)	FACULTY OF INSTRUMENTAT ENGINEERIN
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														Qualification	Engineer
		Profile pr	ogram		Educa	tional a	nd Scier	ntific				-		Study duration	1 year 9 mor
	(	Graduatio	on Dep	artmen	it	Scient	tific, analytic	al and envi	ronmenta	l instrumer	its and sys	tems depa	rtment	Base level	Bachelor deg
				I	. Sche	dule	of educ	ationa	l proc	ess					
Weight			mber		anuary		February		March		April		May	June July	Augus
₩ 1 2 I	3 4 5 6 7 8 9 10 11 12 13	14 15 16	17 18	19 20 <b>E E</b>	1 21 22 <b>H</b>	23 24	25 26	27 28	29 30	31 32	33 34	35 36	37 38 3		47 48 49 50 51 <b>H H H H</b>
Ш				ΕE	нн				RR	RR	RR	RR	RRA		
Symbols:	Learning period E Examination	P Prac	ctice	R	Researc	1	A Asse	essment	Н	Holiday					
II. Sur	mmary table of time budget (Weeks)				III. Pi	ractice							IV. Grad	luates assessment	
산 문 및 period	Examinatio Practice Assessmen Research Holiday Tota		Tvr	e of prac	rtico	YEAF	- V	Veeks		- 🗆		Subjects		Form of graduates assessme	<sup>nt</sup> YEAR
y period I 36	4 12 52			and Resea		2	<u> </u>	5				Gubjeeta		(exam, graduation project) Master Thesis Defense	
<b>I</b> 18	2 5 2 12 2 39		Ocientine		aron			5							
	V	/. Plan of	Educa	tional	proces	s									
					n for te				Number of hours						
				(seme	esters)					ures/pra					
					cts		ECTS Credits		Lect	lessons					
Code	Subjects		s	sts	Course projects	oursework	Cre	=	(0	_	2	dy			
Ö			Exams	Final tests	e pr	rsev	CTS	Total	Lectures	Practical	Laboratory	Self-study			
			ш	Fin	ours	Cou	Ш		-ect	rac	abor	Sel			
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1	2		3	4	5	6	7	8	9	10	11	12			
		I. GEN													
		Basic tra		(majo	or coui	'ses)	<u> </u>								
	Information Measuring Systems Modeling		1	0.7			4	120	36	18		66			
	Optimization Methods for Information Measuring S Patenting and Intellectual Property	Systems		2Д 2		<sup> </sup>	4	120 90	36 36	18 18		66 36			
	total number o	f part L1	1	2			3 11	330	108	54		168			
		asic trai			nal co	urses			100	04		100			
	Subjects on Sustainable Development Problems			2			2	60	18	18		24			
	Workshop on Scientific Communication in Foreig	n Language		2,3			4,5	135		108		24			
	Pedagogy Subjects			3			2	60	30	6		24			
	Management Subjects			1			3	90	18	36		36			
	total number o	-		5	ional		11,5	345	66	168		111			
	Scientific Work on the Topic of Master's Thesis	ence Res	searci	i (opt		Juise	;s)								
	1. Fundamentals of Scientific Research			1			2	60	9	18		33			
	<ol><li>Scientific and research work on the topic of Master's thesis.</li></ol>			2,3			5,5	165		36		147			
	Scientific and Research Practice			4Д			9	270				270			
	Master's Thesis Implementation						21	630				630			
	total number o	-		4			37,5	1125	9	54		1080			
	TOTAL IN GENERAL T			11 1 TP		Ļ	60	1800	183	270		1359			
		I. VOCA						2)							
-	II.1. Vocationa Computer-Aided Designs in Instrument Design an	-			iniy (n I		1	· · · · ·		70		<i></i>			
	Engineering		2	1д		2	9,5	285	36	72		177			
	Information Measuring Systems for Charge-coup	led Devices	1			1	7	210	36	36	18	120			
	Quality Testing Tools for Food Products		1				5	150	36	18	18	78			
	Metrological Support of Information Measuring Sy Nanomaterials and Nanotechnologies	stems	2	2Д		<sup> </sup>	4,5 3,5	135 105	36 18	36	36	63 51			
	Nanomaterials and Nanotechnologies		3	~#			3,5 6	180	36	36		108			
	Information Technologies for Cloud Computing		2				4,5	135	18	36		81			
	total number o	•	6	2		2	40	1200	216	234	72	678			
	II.2. Vocational		ctical	traini	ng (op	tional	course	es)		1					
	Environmental Monitoring of Megapolises and Re Areas			1Д			3	90	18	18		54			
	Environmental Monitoring of Natural Reserves and Recreation Areas		L		L				10			54			
	Technological and Ecological Monitoring of Steel Manufacturers			_			_		-			_			
	Technological and Ecological Monitoring of waste	)		ЗД			4,5	135	36	18		81			
	incineration production Geoinformational Technologies in Ecology		-				-		•••			4.4.5			
	Means of monitoring the atmospheric pollution		3			3	8	240	36	18	18	168			
	Cyber Security Technologies		3				4,5	135	18		18	99			
	Special Measuring Technologies			ļ	<b> </b>	<b> </b> '	<b> </b> '				20	400			
		f part II 2	2	2		1	20	600	108	54	30	4UZ -			
	total number o TOTAL IN VOCATIONAL T		2 8	2 4		1 3	20 60	600 1800	108 324	54 288	36 108	402 1080			

Approved by Faculty Academic Council, Meeting protocol № 4/17 from April 24, 2017

Head of the Department \_\_\_\_/ Poryev V. A. / Dean of the Faculty \_\_\_\_\_ / Tymchyk G. S. /