MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

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

## CURRICULUM

APPROVED						(E	nrolmen	t 2020)	)								
by Academic Co		Level		Ма	ster								Form of	study	full-time	_	
lgor Sikorsky Ky (мeeting protocc	Specialit	Speciality 151 Automation and computer - integrated technologies						gies	Faculty (	Institute)	(full-time, part-time) FACULTY OF INSTRUMENTATION ENGINEERING						
Head of Acader	nic Council	Educatio	Educational and Professional program											Master in Autor Computer In			
Mykhaylo ILCHENKO											Qualifica	ition	Technology				
				Computer-Integrated Technologies and Navigation and Control Systems								ns	Study du	iration	1 year 4 months		
			Department of Instruments and Systems of Graduation Department Orientation and Navigation								of	Base lev	el	Bachelor degree			
I. Schedule of educational process																	
	ember October Novembe		ember		anuary		January		March		April		Мау	June	July	August	
<u>₩</u> 1 2	3 4 5 6 7 8 9 10 11 12 1	3 14 15 16	17 18		21 22 <b>H H</b>		25 26	27 28	29 30	31 32	33 34	35 36	37 38 39		4 45 46 47 48 49 H H H H H H	9 50 51 52 I H H H	
II P P	P P P P P R R R R	RRR	R A														
Symbols:	Learning period E Examination	P Pra	ctice	R	Researc	h	A Asse	essment	Н	Holiday							
			_														
II. Su	II. Summary table of time budget (Weeks)				III. Practice								IV. Graduates assessment				
tearning ⊯ period	Total	Type of practice			YEA	YEAR Weeks					Subjects	s Form of graduates assessment (exam, graduation project)			EAR		
I 36	4 12									Master's Work							
н	8 2 8	18				2		8								2	
		V. Plan o	f Educ	ationa	l proce	ss											
			Dist		n for te	erms			Numł	per of h	nours		7				
				(semesters)					Lectures/practical				4				
					sk	ţ	dits			lessons							
Code	Subjects		su	Final tests	Individual task	Module test	ECTS Credits	Ē	s	=	Ş	Self-study					
0			Exams	alto	iduŝ	lule	CTS	Total	Lectures	Practical	Laboratory	f-st					
			ш	Fin	divi	Mod	ш	•	ect	rac	lode	Sel					
					드	_			-		Ľ						
1	2		3	4	5	6	7	8	9	10	11	12	1				
1. Compulsory educational components 1.1. General training cycle																	
		1.1. Gei	neral t	rainin	g cycl	e	1		r	1	1		4				
301	301 Modern Control Theory					1	4	120	36	36		48					
3O2 Intellectual Property and Patent				2			3	90	36	18		36					
3O3 Fundamentals of engineering and sustainable development technologies				2		2	2	60	18	18		24					

			r								
304	Practicum in Foreign Professional Communication		2	1	2	3	90		72		18
305	D5 Development of startup projects				1	3	90	18	36		36
	total number of part I.1	1	4	1	4	15	450	108	180	0	162
	1.2. Voca	itiona	l traini	ing cy	cle						
ПО1	Theory and Calculation of Instruments and Systems	1		1	1	7	210	36		54	12
ПО2	O2 Theory and Calculation of Instruments and Systems Coursework					1	30				30
ПОЗ	1O3 Navigation Systems		1	1	1	6,5	195	54		36	10
ПО4	04 Systems of Orientation and Stabilization		1		1	4	120	36		18	6
ПО5	Scientific work on the theme of the master's dissertation		1,2	1	2	4	120	9	36		7
ПО6	Pre-diploma Practice		3			14	420				42
П07	Training of Master Thesis					16	480				48
	total number of part I.2	1	5	3	4	52,5	1575	135	36	108	12
TOTAL IN GENERAL TRAINING			9	4	8	67,5	2025	243	216	108	14
	2. Optional e	ducat	ional	compo	onents	5					
	2.1. Vocational training cycle (	Optior	nal sul	ojetcs	from	Facult	y catalo	gue)			
ПВ1	Educational component 1 of the F-Catalog	2		2	2	5	150	36	18		9
ПВ2	Educational component 2 of the F-Catalog		2		2	5	150	36	18		9
ПВ3	Educational component 3 of the F-Catalog		2	2	2	5	150	36		36	7
ПВ4	Educational component 4 of the F-Catalog		2	2	2	4,5	135	18	36		8
ПВ5	Educational component 5 of the F-Catalog		2	2		3	90	18	18		5
Total number of part 2.1			4	4	4	22,5	675	144	90	36	40
TOTAL IN SELECTIVE educational components			4	4	4	22,5	675	144	90	36	40
	TOTAL	3	13	8	12	90	2700	387	306	144	18

Head of the Department	 /Nadiia BOURAOU/
Dean of the Faculty	 /Gregory TYMCHIK /