MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

APPROVED	National	i Technicai Uni	•	t Ukraine "I URRIC (Enrolmer)		olytechnic ins	stitute"		
by Academic Council	Level	Master		•	·	Form of	study	full-time	. <u></u>
Igor Sikorsky Kyiv Polytechnic Institute (Meeting protocol № from 2020)	Speciality	151 Auton	nation and	l computer -	integrated technologie	s Faculty ((Institute)	INSTRUM	e) ILTY OF IENTATION IEERING
Head of Academic Council Mykhaylo ILCHENKO	Educational	and Scientific pr	rogram			Qualifica	ation	Compute	utomation and r Integrated inology
Mywidylo iESHEMC	Computer-l	ntegrated Techno	_	_	and Control Systems	Study dı	uration	1 year 9 mon	ths
	Graduation	Department	C	Orientation a	nd Navigation	Base lev	<i>r</i> el	Bachelor degr	<u>ee</u>
		I. Sch	edule of	educationa	l process				
September October November	Decembe			nuary	March April	May	June	July	August
	14 15 16 17	18 19 20 21 22 E E H H		26 27 28	29 30 31 32 33 34 35	36 37 38 39		44 45 46 47 48 H H H H	1 - 1 - 1 - 1 -
		EEHH		P P R	R R R R R R	R R A A			
Symbols: Learning period E Examination II. Summary table of time budget (Weeks)	P Practice	R Research		Assessment	H Holiday		ates assessme	ent	
Learning Examination Practice Assessment Research Holiday T	otal	Type of practice	YEAR	Weeks	Si	ubjects	Form of gradu	ates assessment	YEAR

	II. Summary table of time budget (Weeks)									
YEAR	Learning period	Examination	Practice	Assessment	Research	Holiday	Total			
ı	36	4				12	52			
	18	2	5	2	12	2	39			

III. Practice								
Type of practice	YEAR	Weeks						
Scientific research	2	5						

IV. Graduates assessment						
Subjects	Form of graduates assessment (exam, graduation project)	YEAR				
	Protection of Master's Work	2				

V. Plan of Educational process											
		Distribution for terms (semesters)					Number of hours				
				šk		dits		Lect			
Code	Subjects	Exams	Final tests	Individual task	Module test	ECTS Credits	Total	Lectures	Practical	Laboratory	Self-study
1	2	3	4	5	6	7	8	9	10	11	12
1. Compulsory educational components											
	1.1. General training cycle										

301	Modern Control Theory	1			1	4	120	36	36		48
302	Intellectual Property and Patent		2			3	90	36	18		36
303	Fundamentals of engineering and sustainable development technologies		2		2	2	60	18	18		24
304	Practicum in Foreign Professional Communication		2,3	1	2,3	4,5	135		108		27
305	Development of startup projects		1		1	3	90	18	36		36
306	Higher Education Pedagogy		3		3	2	60	18	18		24
307	Mathematical modeling of systems and processes	3				4	120	18	18		84
	total number of part I.1		6	1	6	22,5	675	144	252	0	279
	1.2. Voc	ationa	l train	ing cy	<i>y</i> cle						
ПО1	Theory and Calculation of Instruments and Systems	1		1	1	7	210	36		54	120
ПО2	Theory and Calculation of Instruments and Systems Coursework					1	30				30
поз	Navigation Systems		1	1	1	6,5	195	54		36	105
ПО4	Systems of Orientation and Stabilization		1		1	4	120	36		18	66
пов	Supplemenary Topics of Sensitive Element Theory	3		3	3	6	180	36	36		108
ПО9	Supplemenary Topics of Professional Disciplines	3			3	5,5	165	18	36		111
ПО5	Scientific work on the theme of the master's dissertation		1,2,3	1	2,3	7,5	225	9	36		180
ПО6	Scientific Research Practice		4			9	270				270
ПО7	Training of Master Thesis					21	630				630
	total number of part I.2	3	6	4	7	67,5	2025	189	108	108	1620
	TOTAL IN GENERAL TRAINING	5	12	5	13	90	2700	333	360	108	1899
2. Optional educational components											
	2.1. Vocational training cycle (Optio	nal su	bjetcs	from	Facul	ty catalo	ogue)			
ПВ1	Educational component 1 of the F-Catalog	2		2	2	5	150	36	18		96
ПВ2	Educational component 2 of the F-Catalog		2		2	5	150	36	18		96
ПВ3	Educational component 3 of the F-Catalog		2	2	2	5	150	36		36	78
ПВ4	Educational component 4 of the F-Catalog		2	2	2	4,5	135	18	36		81

ПВ5	Educational component 5 of the F-Catalog		2	2		3	90	18	18		54
пв6	Educational component 6 of the F-Catalog		3			4	120	36	36		48
ПВ7	Educational component 7 of the F-Catalog		3			3,5	105	36	18		51
	total number of part 2.1.	1	6	4	4	30	900	216	144	36	504
TOTAL IN SELECTIVE educational components		1	6	4	4	30	900	216	144	36	504
	TOTAL	6	18	9	17	120	3600	549	504	144	2403

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