

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



CURRICULUM

(Enrolment 2020)

APPROVED

By Head of Academic Council
Igor Sikorsky Kyiv Polytechnic Institute

Mykhaylo ILCHENKO

2020

Level Master

Speciality 173 Avionics

Education and Professional program

Control systems of flight vehicles and complexes engineering

Graduation Department Control systems of flight vehicles

Form of study full-time
(full-time, part-time)

Faculty (Institute) Institute of Aerospace Technologies

Qualification Master in Avionics

Study duration 1 year 4 months

Base level Bachelor degree

I. Schedule of educational process

Year	September				October				November				December				January				February				March				April				May				June				July				August											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	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				
I																			E	E	H	H																							E	E	H	H	H	H	H	H	H	H	H	H
II																			E	E	H	H	P	P	P	P	P	P	R	R	R	R	R	R	R	R	R	R	R	R	A															

Symbols: L Learning period E Examination P Practice R Research A Assessment H Holiday

II. Summary table of time budget (Weeks)

Year	Learning period	Examination	Practice	Assessment	Research	Holiday	Total
I	36	4				12	52
II			8		10		18

III. Practice

Type of practice	YEAR	Weeks
Pre-diploma practice	2	8

IV. Graduates assessment

Subjects	Form of graduates assessment (exam, graduation project)	YEAR
	Defense of master's thesis	2

V. Plan of Educational process

Code	Education components	Distribution for terms (semesters)				ECTS Credits	Number of hours				
		Exams	Final tests	Individual task	Module test		Total	Lectures/practical lessons			Self-study
								Lectures	Practical	Laboratory	
1	2	3	4	5	6	7	8	9	10	11	12
1. Compulsory education components											
1.1. General training cycle											
3O 1	Intellectual and Patenting Property		1		1	3	90	36	18		36
3O 2	Subject on Sustainable Development Problems		1		1	2	60	18	18		24
3O 3	Workshop on Scientific Communication in Foreign Language		2	1	2	3,0	90		72		18
3O 4	Management Subject		2		2	3	90	18	36		36
total number of part 1.1			4	1	4	11	330	72	144	0	114
1.2. Vocational training cycle											
PO 1	Aircraft Control Systems	1			1	8,5	255	81	18	18	138
PO 2	Course project on Aircraft Control Systems		1			1,5	45				45
PO 3	Pattern Recognition Systems	1		1	1	6	180	36	9	36	99
PO 4	Systems of orientation of moving objects	1		1	1	5,5	165	36	18	9	102
Investigational (scientific) component											
PO5	Scientific Work on the Topic of Master's Thesis.		1,2	2	1,2	4	120	9	36		75
PO6	Pre-diploma practice		3			14	420				420
PO7	Master's Thesis Implementation					16	480				480
total number of part 1.2		3	4	3	5	55,5	1665	162	81	63	1359
TOTAL IN NORMATIVE education components		3	8	4	9	66,5	1995	234	225	63	1473
2. Optional education components											
2.1. Vocational training cycle (Optional subjects from Faculty catalogue)											
PB 1	Educational component 1 of the F-Catalog	2		2	2	5,5	165	27		45	93
PB 2	Educational component 2 of the F-Catalog	2		2	2	5,5	165	45	9	18	93
PB 3	Educational component 3 of the F-Catalog		2	2	2	6	180	54		36	90
PB 4	Educational component 4 of the F-Catalog	2		2	2	6,5	195	54	18	18	105
TOTAL IN Selective educational components		4	1	4	5	23,5	705	180	27	117	381
TOTAL		7	9	8	14	90	2700	414	252	180	1854

Approved by University Academic Council, Meeting protocol № ____ from _____, 2020

Head of the Department _____ / Olexandr ZBRUTSKY /

Director of the Institute _____ / Ivan KOROBKO /