

APPROVED

by Academic Council Iaor Sikorskv Kviv Polvtechnic Institute (meeting protocol № ____ from _____ 2020)

Head of Academic Council

Mykhaylo ILCHENKO

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

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

CURRICULUM

(Enrolment 2020)

Laural DLD		Fame of states	Coll Conce
Level PhD		Form of study	full-time
Speciality 133 Industria	al Machinery Engineering	Qualification	(full-time, part-time)
Educational and Scientifi	c program	Study duration	4 years
133 In	dustrial Machinery Engineering	Base level	Master degree
Graduation Departments	of Chemical, Polymer and Silicate Engineering	Educational compo	nent 40 ECTS Credi
	of Bioengineering and Biotechnics		
	of Bioengineering and Biotechnics of Printing Machines and Automated Complexes		
Faculty (Institute)	of Printing Machines and Automated Complexes		
Faculty (Institute)	of Printing Machines and Automated Complexes of Machines and Apparatus of Chemical and Oil Refinery Productions		

Schodulo of study

	Schedule of study																																																				
a v			Octo	ber			No	/emb	er			Dec	emb	er			Janu	ary			Feb	ruary	/		Ma	arch				Apr	i			I	May			Ju	ine				July				Aug	just			Septe	embe	r
2	1	2	3	4	5	6	7	8	9	9 1	10 1	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	2	8 29	30) 31	1 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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P	/ R	R	R	F	R R	F	R R	R	F	R	R	R	R	R	R	R	R	R	R	RT	RT	RT	R	R	R	R	R	R	1	RR	R	R	R	R	R	R	R	R	R	н	н	н	н	н	н	н	Η	н	н	R	RT	RT	RT
S	/mbc	ls:		Le	aming	g per	iod		E	EE	xam	inati	on			1	Inter	nshi	p		R	Res	earch			RT	Rep	ort			A	As	sess	men	t	Н	Hol	iday															

	I. Educational component										
	Summar	y table of	time bu	dget (We	eeks)		Intern	ship			
YEAR	Learning period	Examination	Internship	Holiday	Total		Type of Internship	YEAR	Weeks		
1	31	5		12	48		Pedagogical	2	3		
	29	5	2	12	48						
	Plan of Educational process										
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		D		ion for to nesters)	erms	s	Number of hours							
e			s	ask	st	Credits		Lect	ures/prac lessons	tical	v			
apoO	Educational components	Exams	Final tests	Individual task	Module test	ECTS CI	Total	Lectures	Practical	Laboratory	Self-study			
1	2	3	4	5	6	7	8	9	10	11	12			
	1. Normative components Subjects for acquirement of general scientific (philosophical) competencies													
Н1		eral s	cientifi	2 (philo:	sophical)	compet 6	180	31	49		100			
H 1	Philosophical principles of scientific activity	_	1	-	1	-	180	31	49		100			
	Subjects for acquirement of language competencies													
H 2	Language practice training subject	2	1	1	2	6	180		76		104			
	Subjects for acquiremen	t of de	ep kno	wledge	of the sp	pecialty								
H 3	Methodology of scientific research	1				4	120	13	13		94			
H 4	Simulation of the state of continuous medium	3				4	120	13	26		81			
H 5	Perspective directions of grows of the source and energy effective processes, equipment and technologies	4				4	120	18	36		66			
	Subjects for acquirement of of	i unive	rsal co	mpeten	cies of th	ne resea	rcher							
П01	Organization of scientific and innovative activities		2			4	120	36	18		66			
ПО2	Pedagogical internship		3			2	60				60			
	TOTAL of NORMATIVE educational components	5	4	2	2	30	900	111	218	0	571			
	2. Elective components													
B 1	Educational component of 1 F-catalogue		3			5	150	39	13		98			
B 2	Educational component of 1 F-catalogue		4			5	150	36	18		96			
	TOTAL of ELECTIVE educational components		2			10	300	75	31	0	194			
	TOTAL	5	6	2	2	40	1200	186	249	0	765			

	II. Scientific component										
YEAR	The content of the graduate student's scientific work	Forms of control (Reporting)									
1st year	The choice and substantiation of the topic of the proper scientific research, determination of the contentis, execution times and scope of the scientific vark, the choice and substantiation of the methodogy of the carrying out of the proper scinnific research, the realization of the review and analysis of the existing views and approaches, which has been developed in modern science in chosen direction. Preparing and publication a leset Tatico (generally review) in the scientific vark or foreign) on the research topic; the participation in the scientific and practical conferences (seminars) with publishing of the abstracts	The approval of the individual plan of the aspirant on the scientific council of the faculty/institute, the reporting about the progress of the individual plan of the aspirant twice on year									
2nd year	The carrying out proper scientific research under the leadership of the scientific supervisor, which include solving of researching problems with using of the complex of the theoretical and empirical methods. Preparing and publication a least 1 article in the scientific journals (domestic or foreign) on the research topic; the participation in the scientific and practical conferences (seminars) with publishing of the abstracts	The reporting about the progress of the individual plan of the aspirant twice on year									
3rd year	The analysis and generalization of the results of the proper scientific research; the substantiation of the scientific novely of the obtained results; there theoretical and/or practical significance. Preparing and publication a least 1 article in the scientific journals (domestic or foreign) on the research topic; the participation in the scientific and practical conferences (seminars) with publishing of the abstracts	The reporting about the progress of the individual plan of the aspirant twice on year									
4th year	The finalization of the scientific achievements of the aspirant in a form of the dissertation, stocktaking about completeness of the representation of the results of the dissertation in scientific articles according to existing requirements. The implementation of the obtained results and obtaining of the proving outcoments. The submission of documents for previous expertise of the dissertation. The preparing of the scientific report for graduation attestation (defence of the dissertation)	The reporting about the progress of the individual plan of the aspirant twice on year Providing the conclusion about scientific novely, theoretical and practical significance of the dissertation results									

Head of the Scientific and Methodical Board of Speciality_____ / Y. Korniyenko /

Head of Educational program _____ / Y. Korniyenko /