



APPROVED
by Vice-rector for educational work of Igor Sikorsky
Kyiv Polytechnic Institute

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

on 2021/ 2022 academic year
Enrolment 2018

Specialty (code and name)	-	163 Biomedical Engineering	Faculty (Institute)	Biomedical Engineering
Specialty according to the educational and professional program	-	Medical Engineering	Form of study	full-time
Level	-	Bachelor	Study duration	3 years 10 months (4 ed.year)
Graduation Department	-	Biomedical Engineering	Qualification	3439 Specialist in Biomedical Engineering

Anatoly MELNICHENKO
2021 year

№ n/n	Subjects	Department	The volume of discipline		Classroom hours									Independent work of students	Control measures and their distribution by semester							Distribution of class hours per week by courses and semesters															
			ECTS Credits	Hours	Total	including						Exams	Final tests		Module control work	Course projects	Coursework	CGW, CW, GW	HCW	Abstracts	4 YEAR				BM-83i(0+7)												
						Lecture	Practice	Laboratory	Individual lessons	7 semester											8 semester		18 weeks		18 weeks												
			according to the INTO account	according to the INTO account individual	according to the INTO account individual					Individual lessons	Total	Lecture	Practice		Laboratory	Total	Lecture	Practice	Laboratory																		
1. NORMATIVE educational components																																					
1.1. GENERAL TRAINING																																					
1	Foreign language of professional orientation-2. Foreign language for professionally-oriented communication. Business speech	Department of the English Language of Humanities Orientation № 3	1,5	45	36			36					9	7												2,0		2,0									
2	Labor Safety and Civil Defence	Department of Power Supply	4	120	72	36		36					48	7												4,0	2,0	2,0									
3	Economics and Industrial Management	Department of Theoretical and Applied Economics	4	120	72	36		36					48	8																8,0	4,0	4,0					
4	Microprocessor Technics	Department of Biomedical Engineering	5	150	72	28		26			18		78	7		7				7						4,0	1,5	1,5	1,0								
Total number of part I.1.			14,5	435	252	100		134			18		183	1	3	1				1	1				10,0	3,5	5,5	1,0	8,0	4,0	4,0						
1.3. Basic disciplines (students' selective)																																					
5	Biomedical Devices, Sets and Systems I. Diagnostic Equipment	Department of Biomedical Engineering	6	180	90	36		36			18		90	7		7				7						5,0	2,0	2,0	1,0								
6	Biomedical Devices, Sets and Systems II. Analysis and Design of Electronic Medical Equipment	Department of Biomedical Engineering	5	150	36	14		14			8		114	8		8				8										4,0	1,5	1,5	1,0				
7	Fundamentals of Clinical Engineering and Radiology II. Expertise and Engineering Support of Medical Equipment	Department of Biomedical Engineering	3,5	105	54	28		26					51	7		7										3,0	1,5	1,5									
8	Fundamentals of Clinical Engineering and Radiology III. Radiation Safety and Dozimetriya	Department of Biomedical Engineering	2,5	75	36	18		18					39	8		8				8									4,0	2,0	2,0						
9	Pre-diploma practice	Department of Biomedical Engineering	7,5	225	0								225	8																							
10	Diploma design	Department of Biomedical Engineering	6	180	0								180																								
Total number of part I.3.			30,5	915	216	96		94			26		699	2	3	4				3						8,0	3,5	3,5	1,0	8,0	3,5	3,5	1,0				
TOTAL normative:			45	1350	468	196		228			44		882	3	6	5				4	1				18,0	7,0	9,0	2,0	16,0	7,5	7,5	1,0					
2. SELECTIVE educational components																																					
2.1. General training (Selective educational components from the general University Catalog)																																					

