

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1.2.12	Technology of software products development	7				5,0	150	120	60	60		30							8		
	Technology of software products development (for medical purposes) (Coursework)				8	1,0	30	18			18	12								1	
1.2.13	Technologies of distributed systems and parallel computing	8				4,0	120	72	36	36		48							4		
1.2.14	Computer-aided design and calculation of structures	7				3,0	90	45	30	15		45							3		
1.2.15	Systems modeling	7				4,5	135	75	45	30		60								5	
1.2.16	Design and project management of information systems	8				3,0	90	72	36	36		18								4	
1.2.17	Cross-platform programming and information security, protection of medical information	8				3,0	90	72	36	36		18								4	
Total p.1.2:						82	2460	1488	723	696	69	972	0	4	9	15	18	16	16	14	0
1.3 Practical training																					
1.3.1	Computer practice		2			3,0	90														
1.3.2	Industrial practice		4			4,5	135														
1.3.3	Industrial practice		6			4,5	135														
1.3.4	Pre-diploma practice		8			4,5	135														
Total p.1.3:						16,5	495														
1.4 State attestation																					
1.4.1	Bachelor's thesis	8				7,5															
Total pp.1.2...1.3:						24,0	720						0	0	0	0	0	0	0	0	0
Total for the regulatory disciplines						180	5400	2523	1220	849	454	2157	26	25	17	18	18	19	19	14	0
2. SELECTIVE DISCIPLINES																					
2.1 Disciplines of general training																					
Discipline of the semester #3 - 1			3			4,0	120	45	30		15	75			3						
Discipline of the semester #3 - 2			3			3,0	90	30	20		10	60			2						
Discipline of the semester #4			4			3,0	90	36	18		18	54				2					
Discipline of the semester #5			5			3,0	90	30	20		10	60					2				
Discipline of the semester #6			6			3,0	90	36	18		18	54						2			
Discipline of the semester #7			7			3,0	90	30	20		10	60							2		
Discipline of the semester #8			8			3,0	90	26	13		13	64								2	
Total p.2.1:						22,0	660	233	139	0	94	427	0	0	5	2	2	2	2	2	0
2.1.1	Fundamentals of biomedical engineering		3			4,0	120	45	30		15	75			3						
2.1.2	Technical mechanics		3			4,0	120	45	30		15	75			3						
2.1.3	Biomechanics		3			4,0	120	45	30		15	75			3						
2.1.4	Disciplines from other DSEA educational programs		3			4,0	120	45	30		15	75			3						
2.1.5	Human anatomy and physiology		3			3,0	90	30	20		10	60			2						
2.1.6	Jurisprudence		3			3,0	90	30	20		10	60			2						
2.1.7	Psychology		3			3,0	90	30	20		10	60			2						
2.1.8	Disciplines from other DSEA educational programs		3			3,0	90	30	20		10	60			2						
2.1.9	Fundamentals of medical terminology (Foreign language for professional purposes)		4			3,0	90	36	18		18	54				2					
2.1.10	Chemistry		4			3,0	90	36	18		18	54				2					
2.1.11	Heroic personalities of Ukraine		4			3,0	90	36	18		18	54				2					
2.1.12	Religious studies		4			3,0	90	36	18		18	54				2					
2.1.13	Ethics and aesthetics		4			3,0	90	36	18		18	54				2					
2.1.14	Disciplines from other DSEA educational programs		4			3,0	90	36	18		18	54				2					
2.1.15	Foreign language (for professional purposes)		5			3,0	90	30	20		10	60					2				
2.1.16	Ecology		5			3,0	90	30	20		10	60					2				
2.1.17	History of science and technology		5			3,0	90	30	20		10	60					2				
2.1.18	Economic and employment law		5			3,0	90	30	20		10	60					2				
2.1.19	Technologies of mental self-regulation and interaction		5			3,0	90	30	20		10	60					2				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
2.1.20	Foundations of economic theory		5			3,0	90	30	20		10	60					2				
2.1.21	Disciplines from other DSEA educational programs		5			3,0	90	30	20		10	60					2				
2.1.22	Biomedical ethics		6			3,0	90	36	18		18	54						2			
2.1.23	Sociology		6			3,0	90	36	18		18	54						2			
2.1.24	Information wars		6			3,0	90	36	18		18	54						2			
2.1.25	Business rhetoric		6			3,0	90	36	18		18	54						2			
2.1.26	Disciplines from other DSEA educational programs		6			3,0	90	36	18		18	54						2			
2.1.27	Foreign language (for professional purposes)		7			3,0	90	30	15		15	60							2		
2.1.28	Politology		7			3,0	90	30	15		15	60							2		
2.1.29	Disciplines from other DSEA educational programs		7			3,0	90	30	15		15	60							2		
2.1.30	Foreign language (for professional purposes)		8			3,0	90	30	18		18	60								2	
2.1.31	Professional ethics		8			3,0	90	30	18		18	60								2	
2.1.32	Disciplines from other DSEA educational programs		8			3,0	90	30	18		18	60								2	
2.2 Disciplines of professional training																					
Discipline of the semester #3			3			4,5	135	60	30	30		75			4						
Discipline of the semester #4			5			5,0	150	72	36	36		78				4					
Discipline of the semester #5			6			7,0	210	60	30	30		150					4				
Discipline of the semester #6			7			7,0	210	90	36	54		120						5			
Discipline of the semester #7			7			7,0	210	75	45	30		135							5		
Discipline of the semester #8			8			7,5	225	144	72	72		81								8	
Total p.2.2:						38,0	1140,0	501,0	249,0	252,0	0,0	639,0	0,0	0,0	4,0	4,0	4,0	5,0	5,0	8,0	0,0
2.2.1 Principles of interface construction for mobile systems																					
2.2.1	Principles of interface construction for mobile systems		3			4,5	135	60	30	30		75			4						
2.2.2	Object-oriented applications for mobile systems		3			4,5	135	60	30	30		75			4						
2.2.3	Digital processing of biomedical signals		3			4,5	135	60	30	30		75			4						
2.2.4	Disciplines from other DSEA educational programs		3			4,5	135	60	30	30		75			4						
2.2.5	Probabilistic processes and mathematical statistics in automated systems		4			5,0	150	72	36	36		78				4					
2.2.6	Automated research systems		4			5,0	150	72	36	36		78				4					
2.2.7	Methods of mathematical processing of medical biological data		4			5,0	150	72	36	36		78				4					
2.2.8	Disciplines from other DSEA educational programs		4			5,0	150	72	36	36		78				4					
2.2.9	WEB-design and programming		5			7,0	210	60	30	30		150					4				
2.2.10	Development of web-oriented application systems		5			7,0	210	60	30	30		150					4				
2.2.11	WEB-oriented medical systems		5			7,0	210	60	30	30		150					4				
2.2.12	Disciplines from other DSEA educational programs		5			7,0	210	60	30	30		150					4				
2.2.13	Computer-aided design technologies		6			7,0	210	90	36	54		120						5			
2.2.14	Components of robotic systems		6			7,0	210	90	36	54		120						5			
2.2.15	Designing and manufacturing of medical products		6			7,0	210	90	36	54		120						5			
2.2.16	Disciplines from other DSEA educational programs		6			7,0	210	90	36	54		120						5			
2.2.17	Basics of the scientific research		7			7,0	210	75	45	30		135							5		
2.2.18	Fundamentals of engineering creativity		7			7,0	210	75	45	30		135							5		
2.2.19	IT in medicine		7			7,0	210	75	45	30		135							5		
2.2.20	Disciplines from other DSEA educational programs		7			7,0	210	75	45	30		135							5		
2.2.21	Hardware Internet of Things		8			7,5	225	144	72	72		81								8	
2.2.22	Internet of Things Technologies		8			7,5	225	144	72	72		81								8	
2.2.23	Technologies for receiving and transmitting medical data		8			7,5	225	144	72	72		81								8	
2.2.24	Disciplines from other DSEA educational programs		8			7,5	225	144	72	72		81								8	
Total for the selective disciplines						60,0	1800	734	388	252	94	1066	0	0	9	6	6	7	7	10	0
Total																					
Total amount:						240,0	7200	3257	1608	1101	548	3223	26	25	26	24	24	26	26	24	0

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
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Course	1 course		2 course		3 course		4 course		
Number of hours per week	26	25	26	24	24	26	26	24	0
Number of exams	4	4	3	3	3	3	3	3	
Number of tests	3	4	4	3	3	3	3	3	
Number of course projects and courseworks				1		1	1	1	D
No. of semester	1	2	3	4	5	6	7	8	
	60,0		60,0		60,0		60,0		

1	Physical education				13,5	405	264	4		260	141											
1.1	Physical education		1, 2b d*		6,5	195	132	4		128	63	4	4	4								
1.2	Physical education		3, 4b d*		7,0	210	132			132	78				4	4	4					
1.3	Physical education		5f*, 6f*, 7f*			section sessions													s	s	s	

* Note: S - sectional classes; f - optional

2	Ukrainian as a foreign language (for foreign citizens and stateless persons)				13,5	540	294			294	246										
2.1	Ukrainian as a foreign language	2	1		6,0	180	99			99	81	3	3	3							
2.2	Ukrainian as a foreign language	4	3		6,0	180	99			99	81				3	3	3				
2.3	Ukrainian as a foreign language	6	5		4,0	120	66			66	54							2	2	2	
2.4	Ukrainian as a foreign language	7			2,0	60	30			30	30										

Guarantor of the educational program _____ P. Sahaida

Head of CIT dept. _____ O. Tarasov

FAMIT's Dean _____ S. Podlesnij