CIT Department's Curriculum for the 2019-2020 Academic Year -- Bachelor's Degree 122 "Computer Science in Medicine" (4 year)

No. of discipline				Dacii	eior s	Degree 122	Compute			cine (4 year)		T	
			Semester control		=			Hours Classroom training					Numb	ber of
ig				ork	Course project	credits	ŧ		Classroon	n training		ŧ	1 cc	ourse
isc	DISCIPLINE TITLE			Coursework	ad a	cre	Total amount		s	겉		Independent		
Jo Jo		Exams	Tests	om	ours	ECTS	l an	Total	ture	. 80	iji Gi	ebe	1	2
9		Ex	Ĭ	0	ರ	H	Tota	Ĕ	Lectures	Lab. work	Practical training	Ind	Num	ber of
							-						15	18
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1 MANDA	ORY EI	OUCA	TION	AL DI	SCIPLINE	ES							
	1.	1 Discipl	ines of	gener	al trai	ning								
1.1.1	Introduction to the educational process		1			2,0	60	30	15		15	30	2	
1.1.2	History of Ukraine	1				3,0	90	45	30		15	45	3	
1.1.3	History of Ukrainian culture (4a)		4a			2,0	60	27	18		9	33		
1.1.4	Algorithmization and programming	1				3	90	45	30	15		45	3	
1.1.5	Foreign language (for professional purposes)					4,0	120	66			66	54		
	Foreign language (for professional purposes)		1			2,0	60	30			30	30	2	
	Foreign language (for professional purposes)		2			2,0	60	36			36	24	F	2
1.1.6	Discrete mathematics		-			6,0	180	96	48	48	48	84		-
1.1.0	Discrete mathematics		1			4,0	120	60	30	30	10	60	4	
	Discrete mathematics Discrete mathematics	2	1			2,0	60	36	18	18		24	-	2
1.1.7	Higher mathematics					12,0	360	198	99	10	99	162		2
1.1./		1				6,0	180	90	45		45	90	6	
	Higher mathematics						180		54		54		0	6
	Higher mathematics	2				6,0	180	108	54		54	72		0
1.1.8	Probability theory, probabilistic processes and mathematical statistics	3				3,0	90	45	30		15	45		
1.1.0		_				3,0	90	27			27	62		
1.1.9	Ukrainian language (for professional purposes)	2a						27	00	22		63		1,5
1.1.10	Physics					11,0	330	165	99	33	33	165	ļ	
	Physics	2				6,0	180	90	54	18	18	90		5
	Physics	3				5,0	150	75	45	15	15	75		
1.1.11	Philosophy	4				3,5	105	54	36		18	51		
1.1.12	-					12,0	360	264	12		252	96		
	Physical education		1			3,0	90	60	8		52	30	4	
	Physical education		2			3,0	90	72			72	18		4
	Physical education		3			3,0	90	60	4		56	30		
	Physical education		4			3,0	90	72			72	18		
	Physical education		5,6,7,8						section se	essions				
1.1.13	PP C 1 1:1													
	Theory of algorithms	3				3,0	90	45	30	15		45		
1.1.14		3			4	3,0 1,0	90 30	45 18	30	15 18		45 12		
	Theory of algorithms (Coursework)	3			4		30	18		18		12		
	Theory of algorithms (Coursework) Total p.1.1.:					1,0			30 447,0		597,0		24	21
	Theory of algorithms (Coursework) Total p.1.1.:	3 Discipline	es of p	rofessi		1,0	30	18		18	597,0	12	24	21
	Theory of algorithms (Coursework) Total p.1.1.:		es of p	rofessi		1,0	30	18		18	597,0	12	24	21
1.1.14	Theory of algorithms (Coursework) Total p.1.1.: 1.2	Discipline 5		rofessi		1,0 68,5 raining 4,0 4,0	30 2055,0 120 120	1125,0 54 60	447,0 36 30	18 129,0 18 30	597,0	930,0 66 60	24	21
1.1.14	Total p.1.1.: 1.2 Numerical methods	Discipline		rofessi		1,0 68,5 raining 4,0	30 2055,0 120 120 120	1125,0 54 60 60	447,0 36	18 129,0 18	597,0	930,0 66	24	21
1.2.1 1.2.2 1.2.3 1.2.4	Theory of algorithms (Coursework) Total p.1.1.: 1.2 Numerical methods System analysis	Discipline 5		rofessi		1,0 68,5 raining 4,0 4,0	30 2055,0 120 120	1125,0 54 60	36 30 30	18 129,0 18 30	597,0	930,0 66 60	24	21
1.1.14 1.2.1 1.2.2 1.2.3	Theory of algorithms (Coursework) Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research	Discipline 5		rofessi	ional t	1,0 68,5 raining 4,0 4,0 4,0	30 2055,0 120 120 120	1125,0 54 60 60	447,0 36 30	18 129,0 18 30		930,0 66 60 60	24	21
1.1.14 1.2.1 1.2.2 1.2.3 1.2.4	Theory of algorithms (Coursework) Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework)	Discipline 5 5		rofessi	ional t	1,0 68,5 raining 4,0 4,0 1,0	30 2055,0 120 120 120 30	1125,0 1125,0 54 60 60 18	36 30 30	18 129,0 18 30 30		930,0 66 60 60 12	24	21
1.1.14 1.2.1 1.2.2 1.2.3 1.2.4 1.2.5	Theory of algorithms (Coursework) Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling	Discipline 5 5		rofessi	ional t	1,0 68,5 raining 4,0 4,0 4,0 1,0 4,0	30 2055,0 120 120 120 120 30 120	18 1125,0 54 60 60 18 72	36 30 30 30	18 129,0 18 30 30 36		930,0 66 60 60 12 48	24	21
1.1.14 1.2.1 1.2.2 1.2.3 1.2.4 1.2.5	Theory of algorithms (Coursework) Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling	5 5 6	4	rofessi	ional t	1,0 68,5 raining 4,0 4,0 4,0 1,0 4,0 6,0 3,0	30 2055,0 120 120 120 30 120 180	1125,0 54 60 60 18 72 84 45	36 30 30 30 18 28	18 129,0 18 30 30 30 36 56		930,0 66 60 60 12 48 96 45	24	21
1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6	Theory of algorithms (Coursework) Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Systems modeling	5 5 6 8	4	rofessi	ional t	1,0 68,5 raining 4,0 4,0 4,0 1,0 4,0 6,0 3,0 3,0	30 2055,0 120 120 120 30 120 180 90 90	54 60 60 18 72 84 45 39	36 30 30 30 18 28 15	18 129,0 18 30 30 36 56 30 26		930,0 66 60 60 12 48 96 45 51	24	21
1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6	Theory of algorithms (Coursework) Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Electronics and computer circuitry	5 5 5 6 8 3 3	4	rofessi	ional t	1,0 68,5 raining 4,0 4,0 4,0 1,0 4,0 3,0 3,0 4,0	30 2055,0 120 120 120 30 120 180 90 90 120	54 60 60 18 72 84 45 39 60	36 30 30 30 18 28 15 13 30	18 129,0 18 30 30 36 56 30 26 30		930,0 66 60 60 12 48 96 45 51 60	24	21
1.1.14 1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6	Theory of algorithms (Coursework) Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Electronics and computer circuitry Computer networks	5 5 5 6 8 3 4	4	rofessi	ional t	1,0 68,5 raining 4,0 4,0 4,0 1,0 4,0 6,0 3,0 4,0 4,0 4,0	30 2055,0 120 120 120 30 120 180 90 90 120 120	54 60 60 18 72 84 45 39 60 54	36 30 30 30 18 28 15 13 30 26	18 129,0 18 30 30 36 56 30 26 30 28		930,0 66 60 60 12 48 96 45 51 60 66	24	21
1.1.14 1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.7 1.2.8 1.2.9	Theory of algorithms (Coursework) Total p.1.1.: 1.2. Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Electronics and computer circuitry Computer networks Components of modern computer systems	5 5 6 8 3 4 5 5	4	rofessi	ional t	1,0 68,5 raining 4,0 4,0 4,0 1,0 4,0 3,0 3,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4	30 2055,0 120 120 120 30 120 180 90 90 120 120 120	54 60 60 18 72 84 45 39 60 54 60	36 30 30 30 18 28 15 13 30 26 30	18 129,0 18 30 30 36 56 30 26 30 28 30		930,0 66 60 60 12 48 96 45 51 60 66 60	24	
1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.7 1.2.8 1.2.9 1.2.10	Theory of algorithms (Coursework) Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Electronics and computer circuitry Computer networks Components of modern computer systems Object-oriented programming	5 5 6 8 3 4 5 2	4	rofessi	ional t	1,0 68,5 raining 4,0 4,0 4,0 1,0 4,0 3,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4	30 2055,0 120 120 120 30 120 180 90 90 120 120 120 135	54 60 60 18 72 84 45 39 60 54 60 72	36 30 30 30 18 28 15 13 30 26 30 36	18 129,0 18 30 30 36 56 30 26 30 28 30 36		930,0 66 60 12 48 96 45 51 60 66 60 63	24	21
1.1.14 1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.7 1.2.8 1.2.9 1.2.10 1.2.11	Theory of algorithms (Coursework) Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Systems modeling Electronics and computer circuitry Computer networks Components of modern computer systems Object-oriented programming Operating systems and system programming	5 5 6 8 3 4 5 5	7	rofessi	ional t	1,0 68,5 raining 4,0 4,0 4,0 1,0 6,0 3,0 3,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4	30 2055,0 120 120 120 30 120 180 90 90 120 120 120 120 120 120 120 12	18 54 60 60 18 72 84 45 39 60 54 60 72 54	36 30 30 30 18 28 15 13 30 26 30 36 26	18 129,0 18 30 30 36 56 30 26 30 28 30 36 28		930,0 66 60 60 12 48 96 45 51 60 66 60 63 66	24	
1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.7 1.2.8 1.2.9 1.2.10 1.2.11	Total p.1.1.: Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Electronics and computer circuitry Computer networks Components of modern computer systems Object-oriented programming Operating systems and system programming Web-technologies and web-design	5 5 6 8 3 4 5 2 4	4	rofessi	ional t	1,0 68,5 raining 4,0 4,0 4,0 1,0 4,0 6,0 3,0 3,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4	30 2055,0 120 120 120 120 120 180 90 90 120 120 120 120 120 120 120 12	18 54 60 60 18 72 84 45 39 60 54 60 72 54 54	36 30 30 30 18 28 15 13 30 26 30 36 26	18 129,0 18 30 30 36 56 30 26 30 28 30 36 28 36		930,0 66 60 60 12 48 96 45 51 60 66 60 63 66 66 66	24	
1.1.14 1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.7 1.2.8 1.2.9 1.2.10 1.2.11 1.2.12	Total p.1.1.: Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Electronics and computer circuitry Computer networks Components of modern computer systems Object-oriented programming Operating systems and system programming Web-technologies and web-design Organization of databases and knowledge bases	5 5 6 8 3 4 5 2	7	rofessi	6	1,0 68,5 raining 4,0 4,0 1,0 4,0 3,0 3,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4	30 2055,0 120 120 120 30 120 180 90 90 120 120 120 120 120 120 120 12	18 54 60 60 18 72 84 45 39 60 54 60 72 84 45 54 60	36 30 30 30 18 28 15 13 30 26 30 36 26	18 129,0 18 30 30 36 56 30 26 30 28 30 36 28	18	930,0 66 60 60 12 48 96 45 51 60 66 60 63 66 66 66 60	24	
1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.7 1.2.8 1.2.9 1.2.10 1.2.11 1.2.12 1.2.13	Total p.1.1.: Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Systems modeling Computer networks Components of modern computer systems Object-oriented programming Operating systems and system programming Web-technologies and web-design Organization of databases and knowledge bases Organization of databases and knowledge bases (Coursework)	5 5 6 8 3 4 5 2 4	7	rofessi	ional t	1,0 68,5 raining 4,0 4,0 4,0 1,0 4,0 3,0 3,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4	30 2055,0 120 120 120 30 120 180 90 90 120 120 120 120 120 120 120 12	18 54 60 60 18 72 84 45 39 60 72 54 60 72 54 60	36 30 30 30 18 28 15 13 30 26 30 36 26 18 30	18 30 30 36 56 30 26 30 28 30 36 28 30 30 30 30 30 30 30 30 30 30 30 30 30		930,0 66 60 60 12 48 96 45 51 60 66 60 63 66 66 60 12	24	
1.1.14 1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.7 1.2.8 1.2.9 1.2.10 1.2.11 1.2.12	Total p.1.1: Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Systems modeling Electronics and computer circuitry Computer networks Components of modern computer systems Object-oriented programming Operating systems and system programming Web-technologies and web-design Organization of databases and knowledge bases Organization of databases and knowledge bases (Coursework) Technology of software products development	5 5 6 8 3 4 5 2 4	7	rofessi	6	1,0 68,5 raining 4,0 4,0 4,0 1,0 6,0 3,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 1,0 5,0	30 2055,0 120 120 120 30 120 180 90 90 120 120 120 120 120 120 135 120 120 135	18 54 60 60 18 72 84 45 39 60 54 60 72 54 60 18 84	36 30 30 30 18 28 15 13 30 26 30 36 26 18 30	18 18 30 30 36 56 30 26 30 28 30 36 28 30 30 42	18	930,0 66 60 60 12 48 96 45 51 60 66 66 66 60 12 66 66 66 66 66 66 66 66 66 6	24	
1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.7 1.2.8 1.2.9 1.2.10 1.2.11 1.2.12 1.2.13	Total p.1.1.: Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Electronics and computer circuitry Computer networks Components of modern computer systems Object-oriented programming Operating systems and system programming Web-technologies and web-design Organization of databases and knowledge bases Organization of databases and knowledge bases (Coursework) Technology of software products development Technology of software products development	5 5 5 6 8 3 4 5 5 2 4 5 5	7	rofessi	6	1,0 68,5 raining 4,0 4,0 4,0 1,0 6,0 3,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4	30 2055,0 120 120 120 120 180 90 90 120 120 120 120 120 120 120 12	54 60 60 118 72 84 45 39 60 54 60 72 54 60 60 18 84	36 30 30 30 18 28 15 13 30 26 30 36 26 18 30	18 30 30 36 56 30 28 30 36 28 30 36 28 30 42 28	18	930,0 66 60 60 12 48 96 45 51 60 66 66 60 63 66 66 60 60 60 36 60 60 60 60 60 60 60 60 60 6	24	
1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.7 1.2.8 1.2.9 1.2.10 1.2.11 1.2.12 1.2.13	Total p.1.1: Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Systems modeling Electronics and computer circuitry Computer networks Components of modern computer systems Object-oriented programming Operating systems and system programming Web-technologies and web-design Organization of databases and knowledge bases Organization of databases and knowledge bases (Coursework) Technology of software products development	5 5 6 8 3 4 5 2 4	7	rofessi	6	1,0 68,5 raining 4,0 4,0 4,0 1,0 6,0 3,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 1,0 5,0	30 2055,0 120 120 120 120 120 180 90 120 120 120 120 120 120 120 120 120 12	18 54 60 60 18 72 84 45 39 60 54 60 72 54 60 60 72 84 45 39 45 54 60 54 60 54 60 54 60 54 60 50 50 50 50 50 50 50 50 50 5	36 30 30 30 18 28 15 13 30 26 30 36 26 18 30	18 18 30 30 36 56 30 26 30 28 30 36 28 30 30 42	18	930,0 66 60 60 12 48 96 45 51 60 66 66 60 63 66 66 60 63 66 60 60 60 60 60 60 60 60 60	24	
1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.7 1.2.8 1.2.9 1.2.10 1.2.11 1.2.12 1.2.13	Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Electronics and computer circuitry Computer networks Components of modern computer systems Object-oriented programming Operating systems and system programming Web-technologies and web-design Organization of databases and knowledge bases Organization of databases and knowledge bases (Coursework) Technology of software products development Technology of software products development Technology of software products development	5 5 5 6 8 3 4 5 5 2 4 5 5	7	rofessi	6	1,0 68,5 raining 4,0 4,0 4,0 1,0 6,0 3,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4	30 2055,0 120 120 120 120 180 90 90 120 120 120 120 120 120 120 12	54 60 60 118 72 84 45 39 60 54 60 72 54 60 60 18 84	36 30 30 30 18 28 15 13 30 26 30 36 26 18 30	18 30 30 36 56 30 28 30 36 28 30 36 28 30 42 28	18	930,0 66 60 60 12 48 96 45 51 60 66 66 60 63 66 66 60 60 60 36 60 60 60 60 60 60 60 60 60 6	24	
1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.7 1.2.10 1.2.11 1.2.12 1.2.13 1.2.14 1.2.15	Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Systems modeling Electronics and computer circuitry Computer networks Components of modern computer systems Object-oriented programming Operating systems and system programming Web-technologies and web-design Organization of databases and knowledge bases Organization of databases and knowledge bases (Coursework) Technology of software products development (Coursework)	5 5 5 6 8 3 4 5 5 2 4 5 5	7	rofessi	6	1,0 68,5 raining 4,0 4,0 4,0 1,0 6,0 3,0 3,0 4,0 4,0 4,5 4,0 4 5,0 3,0 1,0 1,0 1,0	30 2055,0 120 120 120 120 30 120 180 90 120 120 120 120 120 135 120 120 120 30 150 90 60 30	18 54 60 60 18 72 84 45 39 60 54 60 72 54 50 18 84 54 54 54 54 55 18 18 18 18 18 18 18 18 18 18	36 30 30 30 18 28 15 13 30 26 26 18 30 30 27 15	18 30 30 36 56 30 28 30 28 30 42 27 15	18	930,0 66 60 60 12 48 96 45 51 60 66 66 60 12 66 63 66 66 66 63 15 15	24	
1.1.14 1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 1.2.6 1.2.9 1.2.10 1.2.11 1.2.12 1.2.13 1.2.14 1.2.15	Total p.1.1.: 1.2 Numerical methods System analysis Mathematical methods of operations research Mathematical methods of operations research (Coursework) Decision-making theory Systems modeling Systems modeling Electronics and computer circuitry Computer networks Components of modern computer systems Object-oriented programming Operating systems and system programming Web-technologies and web-design Organization of databases and knowledge bases Organization of databases and knowledge bases (Coursework) Technology of software products development (Coursework) Artificial intelligence systems and data mining	5 5 5 6 8 3 4 5 5 2 4 5 5	7	rofessi	6	1,0 68,5 raining 4,0 4,0 4,0 1,0 6,0 3,0 3,0 4,0 4,0 4,0 4,0 4,0 5,0 3,0 2,0	30 2055,0 120 120 120 120 120 180 90 120 120 120 120 120 120 120 120 120 12	18 54 60 60 18 72 84 45 39 60 54 60 72 54 60 60 72 84 45 39 45 54 60 54 60 54 60 54 60 54 60 50 50 50 50 50 50 50 50 50 5	36 30 30 30 18 28 15 13 30 26 30 36 26 18 30	18 30 30 36 56 30 28 30 36 28 30 36 28 30 42 28	18	930,0 66 60 60 12 48 96 45 51 60 66 66 60 63 66 66 60 63 66 60 60 60 60 60 60 60 60 60	24	

1 2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.2.19 Technologies of distributed systems and parallel computing	7				4,0	120	65	32	33		55		
1.2.20 Cross-platform programming and information security	8				4,0	120	60	30	30		60		
1.2.21 Design of information systems	8				4,0	120	52	26	26		68		
1.2.22 Geometric modeling and computer graphics		2			3,5	105	54	27	27		51		3
1.2.23 CAD technologies	5				4,0	120	60	30	30		60		
1.2.24 CAD technologies (Coursework)			5		1,0	30	15			15	15		
Total p.1.2.:					86,0	2580,0	1288,0	569,0	622,0	79,0	1292,0	0	7
121 0	1.3 P	_	al trai	ning	10	120	1	1		1			
1.3.1 Computer practice		2			4,0	120							*
1.3.2 Industrial practice		4			4,5 5,0	135							
1.3.3 Industrial practice 1.3.4 Pre-diploma practice		6 8			4,5	150 135							
1.3.5 Bachelor's thesis		8			6,0	180							
1.5.5 Bachelot's thesis	4. S		ttestati	ion	0,0	100							
1.4.1 Protection of Bachelor's thesis	8		- Cotte		1,5		Protection	degree p	roiect -	45 hours			
Total pp.1.21.3:					25,5	765		0 1	.,			0	0
Total for the regulatory disciplines					180,0	5400	2413	1016	751	676	2222	24	28
	2. SELEC	TIVE	DISC	IPLI	NES								
	2.1 Discipli	ines of	gener	al trai	ning								
Discipline 1 semester		1			3,0	90	45	30		15	45	3	
Discipline 3 semester		3	\sqcup		3,0	90	45	30		15	45		
Discipline 3 semester	1	3			2,5	75	30	20		10	45		
Discipline 4 semester		4			2,5	75	36	18		18	39	-	
Discipline 5 semester		5			2,5	75	30	20	9	10 9	45		
Discipline 6 semester 1 Discipline 6 semester 2	6	6			4,0 2,5	120	54	36 18	9	18	66 39		
Discipline 6 semester 2 Discipline 7 semester 1		7			3,0	75 90	36 45	30		15	45		
Discipline 7 semester 2		7			2,0	60	30	20		10	30		
Discipline 7 semester		7			3,0	90	45	30		15	45		
Discipline 8 semester		8			2,0	60	26	13		13	34		
Total p.2.1:					30,0	900.0	422.0	265.0	9.0	148.0	478.0	3	0
	1		-		, .		,.		- ,-	,-	,.		
	Set o	of disc	iplines .	<i>№</i> 1									
2.1.1 Basics of descriptive geometry and engineering graphics		1			3,0	90	45	15		30	45	3	
2.1.2 Fundamentals of labor protection and life safety	6				4,0	120	54	36	9	9	66		
2.1.3 Entrepreneurship and enterprise economics		7			3,0	90	45	30		15	45		
2.1.4 Fundamentals of engineering calculations		3			3,0	90	45	30		15	45		
2.1.5 Foreign language (for professional purposes)		3			2,5	75	36	18		18	39		
Foreign language (for professional purposes)		4			2,5	75	30	20		10	45		
Foreign language (for professional purposes)		5			2,5	75	30	18		18	45		
Foreign language (for professional purposes)		6 7			2,5	75	36	20		10	39		
Foreign language (for professional purposes)		8			2,0	60	45 26	30 13		15 13	15 34		
Foreign language (for professional purposes) 2.1.6 Hardware Internet of Things		7			3,0	90	45	30	15	13	45		
2.1.0 Hardware internet of Timigs					5,0	20	43	30	13		43		
l	Set o	or aisc	iplines .	№2						30	45	3	
2.1.7 Engineering graphics and design	Set o	or disc	iplines	№2	3,0	90	45	15					
2.1.7 Engineering graphics and design 2.1.8 Labor protection in IT companies	Set o	_	iplines	№ 2	3,0 4,0	90 120	45 54	15 36	9	9	66		Į.
		_	iplines	№2					9	9 15			
2.1.8 Labor protection in IT companies		1	iplines	№2	4,0	120	54	36	9		66		
Labor protection in IT companies L1.9 Economy and business		7 3 3	iplines	№2	4,0 3,0 3,0 2,5	90 90 75	54 45	36 30 30 18	9	15 15 18	66 45		
Labor protection in ΓΓ companies L1.9 Economy and business Technical mechanics		7 3 3 4	iplines	№2	4,0 3,0 3,0 2,5 2,5	90 90 75 75	54 45 45 36 30	36 30 30 18 20	9	15 15 18 10	66 45 45 39 45		
2.1.8 Labor protection in IT companies 2.1.9 Economy and business 2.1.10 Technical mechanics 2.1.11 Foreign language (for professional purposes) Foreign language (for professional purposes) 2.1.12 History of science and technology		1 7 3 3 4 5	iplines	№2	4,0 3,0 3,0 2,5 2,5 2,5	120 90 90 75 75 75	54 45 45 36 30 30	36 30 30 18 20 18	9	15 15 18 10 18	66 45 45 39 45 45		
2.1.8 Labor protection in Π companies 2.1.9 Economy and business 2.1.10 Technical mechanics 2.1.11 Foreign language (for professional purposes) Foreign language (for professional purposes) 2.1.12 History of science and technology 2.1.13 Sociology		7 3 3 4 5 6	iplines	№2	4,0 3,0 3,0 2,5 2,5 2,5 2,5	120 90 90 75 75 75 75	54 45 45 36 30 30 36	36 30 30 18 20 18 20	9	15 15 18 10 18 10	66 45 45 39 45 45 39		
2.1.8 Labor protection in IT companies 2.1.9 Economy and business 2.1.10 Technical mechanics 2.1.11 Foreign language (for professional purposes) Foreign language (for professional purposes) 2.1.12 History of science and technology 2.1.13 Sociology 2.1.14 Politology		7 3 3 4 5 6	iplines	№2	4,0 3,0 3,0 2,5 2,5 2,5 2,5 2,5 2,0	120 90 90 75 75 75 75 60	54 45 45 36 30 30 36 45	36 30 30 18 20 18 20 30	9	15 15 18 10 18 10 15	66 45 45 39 45 45 39 15		
2.1.8 Labor protection in Π companies 2.1.9 Economy and business 2.1.10 Technical mechanics 2.1.11 Foreign language (for professional purposes) Foreign language (for professional purposes) 2.1.12 History of science and technology 2.1.13 Sociology 2.1.14 Politology 2.1.15 Professional ethics		7 3 3 4 5 6 7	iplines	№2	4,0 3,0 3,0 2,5 2,5 2,5 2,5 2,5 2,0 2,0	120 90 90 75 75 75 75 60 60	54 45 45 36 30 30 36 45 26	36 30 30 18 20 18 20 30 13		15 15 18 10 18 10	66 45 45 39 45 45 39 15 34		
2.1.8 Labor protection in IT companies 2.1.9 Economy and business 2.1.10 Technical mechanics 2.1.11 Foreign language (for professional purposes) Foreign language (for professional purposes) 2.1.12 History of science and technology 2.1.13 Sociology 2.1.14 Politology 2.1.15 Professional ethics 2.1.16 Modern computer hardware and mobile devices	6	7 3 3 4 5 6 7 8			4,0 3,0 3,0 2,5 2,5 2,5 2,5 2,0 2,0 3,0	120 90 90 75 75 75 75 60	54 45 45 36 30 30 36 45	36 30 30 18 20 18 20 30	15	15 15 18 10 18 10 15	66 45 45 39 45 45 39 15		
2.1.8 Labor protection in IT companies 2.1.9 Economy and business 2.1.10 Technical mechanics 2.1.11 Foreign language (for professional purposes) Foreign language (for professional purposes) 2.1.12 History of science and technology 2.1.13 Sociology 2.1.14 Politology 2.1.15 Professional ethics 2.1.16 Modern computer hardware and mobile devices		7 3 3 4 5 6 7 8 7			4,0 3,0 3,0 2,5 2,5 2,5 2,5 2,0 2,0 3,0 raining	120 90 90 75 75 75 75 60 60 90	54 45 45 36 30 30 36 45 26 45	36 30 30 18 20 18 20 30 13 30	15	15 15 18 10 18 10 15	66 45 45 39 45 45 39 15 34 45		
2.1.8 Labor protection in IT companies 2.1.9 Economy and business 2.1.10 Technical mechanics 2.1.11 Foreign language (for professional purposes) Foreign language (for professional purposes) 2.1.12 History of science and technology 2.1.13 Sociology 2.1.14 Politology 2.1.15 Professional ethics 2.1.16 Modern computer hardware and mobile devices 2.2	6	7 3 3 4 5 6 7 8 7 s of p			4,0 3,0 3,0 2,5 2,5 2,5 2,5 2,0 2,0 3,0 raining	120 90 90 75 75 75 75 60 60 90	54 45 45 36 30 30 36 45 26 45	36 30 30 18 20 18 20 30 13 30	15	15 15 18 10 18 10 15	66 45 45 39 45 45 45 39 15 34 45		
2.1.8 Labor protection in ΓΓ companies 2.1.9 Economy and business 2.1.10 Technical mechanics 2.1.11 Foreign language (for professional purposes) Foreign language (for professional purposes) 2.1.12 History of science and technology 2.1.13 Sociology 2.1.14 Politology 2.1.15 Professional ethics 2.1.16 Modern computer hardware and mobile devices Discipline 3 semester 2.2 Discipline 4 semester 2.2	6	7 3 3 4 5 6 7 8 7 s of p			4,0 3,0 3,0 2,5 2,5 2,5 2,5 2,0 2,0 3,0 raining 4,0 5,0	120 90 90 75 75 75 75 60 60 90 120 150	54 45 45 36 30 30 36 45 26 45	36 30 30 18 20 18 20 30 13 30 30 30	15 30 45	15 15 18 10 18 10 15	66 45 45 39 45 45 45 39 15 34 45 60 75		
2.1.8 Labor protection in IT companies 2.1.9 Economy and business 2.1.10 Technical mechanics 2.1.11 Foreign language (for professional purposes) Foreign language (for professional purposes) 2.1.12 History of science and technology 2.1.13 Sociology 2.1.14 Politology 2.1.15 Professional ethics 2.1.16 Modern computer hardware and mobile devices 2.2 Discipline 3 semester Discipline 4 semester Discipline 5 semester	6	7 3 3 4 5 6 7 8 7 s of pi			4,0 3,0 3,0 2,5 2,5 2,5 2,5 2,0 3,0 raining 4,0 5,0	120 90 90 75 75 75 75 60 60 90 120 150	54 45 45 36 30 30 36 45 26 45 60 75 72	36 30 30 18 20 18 20 30 13 30 30 30 30 30	15 30 45 36	15 15 18 10 18 10 15	66 45 45 39 45 45 39 15 34 45 45 75 78		
2.1.8 Labor protection in IT companies 2.1.9 Economy and business 2.1.10 Technical mechanics 2.1.11 Foreign language (for professional purposes) Foreign language (for professional purposes) 2.1.12 History of science and technology 2.1.13 Sociology 2.1.14 Politology 2.1.15 Professional ethics 2.1.16 Modern computer hardware and mobile devices Discipline 3 semester Discipline 4 semester Discipline 5 semester Discipline 7 semester	6	7 3 3 4 5 6 7 8 7 s of p			4,0 3,0 3,0 2,5 2,5 2,5 2,5 2,0 3,0 raining 4,0 5,0 4,0	120 90 90 75 75 75 75 60 60 90 120 150 120	54 45 45 36 30 30 36 45 26 45 60 75 72 60	36 30 30 18 20 18 20 30 13 30 30 30 36 30	15 30 45 36 30	15 15 18 10 18 10 15	66 45 45 39 45 45 39 15 34 45 45 60 75 78 60		
2.1.8 Labor protection in IT companies 2.1.9 Economy and business 2.1.10 Technical mechanics 2.1.11 Foreign language (for professional purposes) Foreign language (for professional purposes) 2.1.12 History of science and technology 2.1.13 Sociology 2.1.14 Politology 2.1.15 Professional ethics 2.1.16 Modern computer hardware and mobile devices 2.2 Discipline 3 semester Discipline 4 semester Discipline 5 semester	6	7 3 3 4 5 6 7 8 7 s of pi			4,0 3,0 3,0 2,5 2,5 2,5 2,5 2,0 3,0 raining 4,0 5,0	120 90 90 75 75 75 75 60 60 90 120 150	54 45 45 36 30 30 36 45 26 45 60 75 72	36 30 30 18 20 18 20 30 13 30 30 30 30 30	15 30 45 36	15 15 18 10 18 10 15	66 45 45 39 45 45 39 15 34 45 45 75 78		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Discipline	8 semester		8			4,0	120	52	26	26		68		
	Total p.3.2.:					30,0	900,0	431,0	208,0	223,0	0,0	469,0	0,0	0,0
		Set o	of disci	plines	Nº1									
2.2.1	Principles of interface construction for mobile systems		3			4,0	120	60	30	30		60		
2.2.2	Algorithms in discrete structures		7			4,0	120	60	30	30		60		
2.2.3	Computer-aided design and calculation of structures		5			5,0	150	75	45	30		75		
2.2.4	Work with remote databases		6			5,0	150	72	36	36		78		
2.2.5	Probabilistic processes and mathematical statistics in automated systems		8			4,0	120	52	26	26		68		
2.2.6	Development of web-oriented application systems		7			4,0	120	60	30	30		60		
2.2.7	Fundamentals of scientific research and technical creativity		8			4,0	120	52	26	26		68		
		Set o	of disci	plines	№2									
2.2.8	Biomedical systems, materials and technologies		3			4,0	120	60	30	30		60		
2.2.9	Biomechanics		5			5,0	150	75	30	45				
2.2.10	Digital processing of biomedical signals		5			4,0	120	60	30	30				
2.2.11	Methods of mathematical processing of medical biological data		6			5,0	150	72	36	36		78		
2.2.12	IT in medicine		7			4,0	120	60	30	30				
2.2.13	Technologies for receiving and transmitting medical data		8			4,0	120	52	26	26		68		
2.2.14	Designing and manufacturing of medical products		8			4,0	120	52	26	26		68		
		Set o	of disci	plines	№3									
2.2.15	Principles of interface construction for mobile systems		3			4,0	120	60	30	30		60		
2.2.16	Algorithms in discrete structures		7			4,0	120	72	36	36				
2.2.17	Development of web-oriented systems based on frameworks and web- services		5			5,0	150	60	30	30		90		
2.2.18	Working with remote databases		6			5,0	150	72	30	30		78		
2.2.19	Development of web-oriented application systems		7			4,0	120	60	30	30		60		
2.2.20	Internet of Things Technologies		8			4,0	120	52	26	26		68		
2.2.21	Fundamentals of scientific research and technical creativity		8			4,0	120	52	26	26		68		
	Total for the selective disciplines					60,0	1800	853	473	232	148	947	3	0
			To	tal	,							r		
I	Total amount:					240,0	7200	3266	1489	983	824	3169	27	28

Course	1 cc	urse
Number of hours per week	27	27,5
Number of exams	3	5
Number of tests	5	4
Number of course projects and courseworks		
No. of semester	1	2
	60	,0

Head of CIT dept.	 O. Tarasov
FAMIT's Dean	S. Podlesni