

Документ подписан простой электронной подписью
 Информация о владельце:
 ФИО: Ливанов Дмитрий Викторович
 Должность: Ректор
 Дата подписания: 16.05.2023 16:03:28
 Уникальный идентификатор:
 А.А. Воронцов
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Ministry of Science and Higher Education of the Russian Federation
 The Federal State Autonomous Educational Institution of Higher Education
 "Moscow Institute of Physics and Technology (National Research University)"
ACADEMIC PLAN

Qualification Bachelor
 Year of enrollment 2022
 Statutory duration of a study course 4 years

APPROVED

Domain of study: 09.03.01 - Information Science and Computer Engineering
 Orientation (specialty): Computer Science/Информатика
 Phystech School of Applied Mathematics and Informatics

AGREED

Head of the Phystech School of Applied Mathematics and Informatics
 A. M. Raygorodskiy

№ in order	Name of disciplines, practices, State Final Examination	Form of final control by semesters								Hours							Coursework and test papers	hours in week																TOTAL HOURS	Credit points				
		Examinations				Graded test ("-" - simple)				Total for education	of them							Hours for preparation and examinations	Distribution by courses and semesters																TOTAL	Total	Basic	Elective	
											Total classroom sessions	Lectures	Laboratory classes	Practical lessons, seminars, exercises, etc.	Practice	Independent study			1 course				2 course				3 course				4 course								
		1	2	3	4	5	6	7	8										1	2	3	4	5	6	7	8	lec	lat	se	lec	lat	se	lec						lat
1	2	3	4	5	6	7	8	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26											
Courses (Modules)/Дисциплины (модули)										8 445	3 735	1 380	540	1 815	4 710	480	51																	8 925	191	114	77		
Б.1	History/История									1							45	30	30										45	1	1								
Б.1.2	Philosophy/Философия															8		90	30	30								90	2	2									
Foreign Languages/Иностранные языки										735	480			480	255	30	16																	765	17	17			
Б.1.3										-1							90	60		60	30	30							90	2	2								
										2							90	60		60	30	30						90	2	2									
											-3						90	60		60	30	30						90	2	2									
												4					90	60		60	30	30						90	2	2									
													-5				90	60		60	30	30					90	2	2										
														6			90	60		60	30	30					90	2	2										
															-7		90	60		60	30	30			4		90	2	2										
										8							105	60		60	45	30					4		135	3	3								
Calculus/Математический анализ										975	450	210		240	525	150	8																	1 125	25	25			
Б.1.4	Introduction to Mathematical Analysis/Введение в математический анализ	1															195	90	30		60	105	30					225	5	5									
Б.1.5	Mathematical Analysis – Functions of One Variable/Математический анализ – функции одной переменной		2														240	120	60		60	120	30					270	6	6									
Б.1.6	Mathematical Analysis – Sequences and Series of Functions, Functions of Several Variables/Математический анализ – функциональные последовательности и ряды, функции нескольких переменных			3													240	120	60		60	120	30					270	6	6									
Б.1.7	Multiple Integrals and Field Theory/Кратные интегралы и теория поля				4												150	60	30		30	90	30			2	2	180	4	4									
Б.1.8	Fourier Analysis/Фурье анализ					5											150	60	30		30	90	30				2	2	180	4	4								
Б.1.9	Ordinary Differential Equations/Дифференциальные уравнения																285	120	60		60	165	30					315	7	7									
												4					135	60	30		30	75	2		2		135	3	3										
																	150	60	30		30	90	30			2		180	4	4									
Б.1.В.1	Functions of One Complex Variable/Теория функций комплексного переменного						6										150	90	45		45	60	30					180	4	4									
Б.1.10	Health Concepts & Strategies/Физическая культура																90	60			60	30						90	2	2									

№ in order	Name of disciplines, practices, State Final Examination	Form of final control by semesters												Hours												hours in week																TOTAL HOURS	Credit points																																																																																														
		Examinations						Graded test ("-" - simple)						State Examination	Total for education	of them								Distribution by courses and semesters																TOTAL HOURS	Total		Basic	Elective																																																																																													
		Total for education								Total classroom sessions	Lectons	Laboratory classes	Practical lessons, seminars, exercises, etc.			Practice	Independent study	Hours for preparation and examinations	Coursework and test papers	1 course				2 course				3 course				4 course																																																																																																									
		1	2	3	4	5	6	7	8											1 sem. 15 weeks	2 sem. 15 weeks	3 sem. 15 weeks	4 sem. 15 weeks	5 sem. 15 weeks	6 sem. 15 weeks	7 sem. 15 weeks	8 sem. 15 weeks	lec	lat	se	lec	lat	se	lec	lat	se	lec	lat	se						lec	lat	se																																																																																										
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																																																																																																						
B.2.1.B.1	Personal Research Project/Научно-исследовательская работа														1 440						1 440													1 440	32	32																																																																																																					
															765						765													765	17	17																																																																																																					
															675						675													675	15	15																																																																																																					
B.2.2	Educational Practice/Учебная практика														360						360													360	8	8																																																																																																					
B.2.2.B.1	Research Practice/Научно-исследовательская практика														360						360													360	8	8																																																																																																					
															180						180													180	4	4																																																																																																					
															180						180													180	4	4																																																																																																					
B.3	State Final Certification/Государственная итоговая аттестация																																																																																																																																								
B.3.1	Preparation for and Taking State Examination in Mathematics/Подготовка к сдаче и сдача государственного экзамена по математике					6								6	60						60												90	2	2																																																																																																						
B.3.2	Preparation for and Taking State Examination in Informatics and Computer Engineering/Подготовка к сдаче и сдача государственного экзамена по информатике и вычислительной технике					7								7	60						60												90	2	2																																																																																																						
B.3.3	Performance of and Defence of Graduation Thesis/Выполнение и защита выпускной квалификационной работы						8							8	195						195												30																																																																																																								
TOTAL:		Number of examinations and pass/fail tests												Distribution of hours by type of lesson												Distribution of classroom hours per week by semester																Total hours	Total number of																																																																																														
	Fixed (without State Final Examination)	Examinations						Pass/Fail tests						Obl.	Distribution of hours by type of lesson												Distribution of classroom hours per week by semester																11 130	240	123	117																																																																																											
	Physical education	2	4	2	1	2	3	2	6	3	6	8	7		5	4	5	10 560	3 735	1 380	540	1 815	1 800	5 025	570	30	32	34	36	32	30	12	19																																																																																																								
	Extracurriculars							1	1	1	1	1	1																																																																																																																												
State Final Examination					1	1	1																																																																																																																																		
														Distribution of hours of contact work by years and semesters												Distribution of credits by years and semesters																TOTAL HOURS																																																																																															
														1 143												1 248																1 151																570																4 112																																																															
														556												587																609																639																584																567																226																344															
														53												59																63																65																																																																															
														25												28																29																30																32																31																28																37															

Head of Educational Department I. R. Garayshina