National Research University Higher School of Economics (HSE)

Curriculum	APPROVED
Field of study 01.03.02 Applied Mathematics and Information Science	03.06.2021
Educational Programme "Bachelor of Sciences (BSc) in Data Science and Business Analytics"	Vice Rector
Implementing unit: Faculty of Computer Science, HSE - Moscow 2 nd, 2021/2022 academic year	ROSHCHIN Y.S. Signed with EDS

Length of Programme: 4 years Years of Study: 2020/2021 - 2023/2024 Mode of Study: Full Time Degree: Bachelor's degree

Number of Students: 110 Number of Groups: 4

							Allocation of Contact Hours				
Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	1	2	3	4	Additional Information
	Degree Progamme			60	2 280	1 168	236	306	398	244	
	Major			41	1 558	884	172	228	310	190	
	Core Professional Block (Major)			29	1 102	684	142	194	220	144	
	Subject Areas			29	1 102	684	142	194	220	144	
	Algorithms and Data Structures			8	304	246	56	64	66	60	
1	Algorithms and Data Structures	С	Department of Big Data and Information Retrieval	8	304	246	56	64A	66	60A	Online Course, Foreign Ianguage
	Computer Architecture and Opera	ting Syste		5	190	144			88	56	
1	Computer Architecture and Operating Systems	С	Department of Big Data and Information Retrieval	5	190	144			88	56A	Foreign language
	Discrete Mathematics			4	152	60	28	32			
1	Discrete Mathematics 2	С	Department of Big Data and Information Retrieval	4	152	60	28	32A			Foreign language
	Mathematical Analysis			4	152	64	30	34			
1	Calculus 2	С	Department of Big Data and Information Retrieval	4	152	64	30	34A			Foreign language
	Probability Theory and Mathemati	cal Statist	ics	8	304	170	28	64	66	28	
1	Probability Theory and Mathematical Statistics	С	Department of Big Data and Information Retrieval	8	304	170	28A	48	66	28A	Online Course, Foreign Ianguage
	Elective Professional Block (Major)			12	456	200	30	34	90	46	
1	Differential Equations	С	Department of Big Data and Information Retrieval	4	152	72			44	28A	Foreign language
2	Introduction to Micro and Macroeconomics	С	Department of Big Data and Information Retrieval	8	304	128	30	34A	46	18A	Foreign language
	Minor			8	304	120	28	32	44	16	

B

1	Business and Management in Global Context	С	Department of Big Data and Information Retrieval	8	304	120	28	32	44A	16A	Foreign language
	General Courses				38	144	36	36	36	36	
	Core General Courses				38	144	36	36	36	36	
	Physical Training	С	Department of Physical	1	38	144	36	36	36	36A	
1			Training								
	Internship			10	380	20		10	8	2	
	Project Internship			7	266	20		10	8	2	
1	Программный проект	С		7	266	20		10	8	2A	Foreign language
	Professional Internship			3	114						
1	Educational Internship	С		3	114						Foreign language

Curriculum agreed:

Academic Supervisor	VOZNESENSKAYA T.V.	02.06.2021
Dean	ARZHANTSEV I.V.	02.06.2021
Head of Degree Programmes Development Office	MAMONOVA M.A.	03.06.2021

* Subject type:	
Compulsory course	

С