National Research University Higher School of Economics (HSE)

Curriculum
Field of study 01.03.02 Applied Mathematics and Information Science
Educational Programme "Bachelor of Sciences (BSc) in Data Science and Business Analytics"
Implementing unit: Faculty of Computer Science, HSE - Moscow
1 st, 2021/2022 academic year

Length of Programme: 4 years
Years of Study: 2021/2022 - 2024/2025
Mode of Study: Full Time
Degree: Bachelor's degree

Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
							1	2	3	4	
	Degree Progamme			**60**	**2 480**	**1 191**	**238**	**260**	**352**	**331**	
	Data Culture					**3**				**3**	
1	Independent Digital Literacy Test	C	Center for Support and Monitoring of Degree Programs			3				3A	Foreign language
	Major			**55**	**2 090**	**996**	**170**	**208**	**316**	**292**	
	Core Professional Block (Major)			**40**	**1 520**	**678**	**114**	**144**	**220**	**200**	
	Subject Areas			**40**	**1 520**	**678**	**114**	**144**	**220**	**200**	
	Discrete Mathematics			**7**	**266**	**104**	**28**	**32**	**44**		
1	Discrete Mathematics	C	Department of Big Data and Information Retrieval	7	266	104	28	32	44A		Foreign language
	Linear Algebra and Geometry			**13**	**494**	**184**	**28**	**32**	**44**	**80**	
1	Algebra	C	Department of Big Data and Information Retrieval	3	114	40				40A	Foreign language
2	Linear Algebra and Geometry	C	Department of Big Data and Information Retrieval	10	380	144	28	32A	44	40A	Foreign language
	Mathematical Analysis			**10**	**380**	**144**	**28**	**32**	**44**	**40**	
1	Calculus	C	Department of Big Data and Information Retrieval	10	380	144	28	32	44	40A	Foreign language
	Programming			**10**	**380**	**246**	**30**	**48**	**88**	**80**	
1	Introduction to Programming	C	Department of Big Data and Information Retrieval	10	380	246	30	48A	88	80A	Online Course, Foreign language
	Elective Professional Block (Major)			**15**	**570**	**318**	**56**	**64**	**96**	**92**	
1	English Language	C	Department of Big Data and Information Retrieval	10	380	280	56	64A	88	72A	Foreign language
2	Introduction to Economics	C	Department of Big Data and Information Retrieval	5	190	38			12	26A	Online Course, Foreign language

No.	Course	Type	Department								Notes
	General Courses			**5**	**390**	**192**	**68**	**52**	**36**	**36**	
	Optional General Courses			**4**	**152**	**30**	**14**	**16**			
1	Foundations of Law	C	Department of Big Data and Information Retrieval	4	152	30	14	16A			Online Course, Foreign language
	Core General Courses			**1**	**238**	**162**	**54**	**36**	**36**	**36**	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1	38	18	18A				Online Course, Foreign language
2	Physical Training	C	Department of Physical Training		200	144	36	36	36	36A	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.	04.06.2021

* Subject type:
Compulsory course   C