



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 01.03.02 Applied Mathematics and Information Science

Educational Programme "Data Science and Business Analytics"

Implementing unit: Faculty of Computer Science, HSE - Moscow

1 st, 2022/2023 academic year

APPROVED

25.08.2022

Vice Rector  
ROSHCHIN S.Y.  
Signed with EDS

Length of Programme: 4 years

Years of Study: 2022/2023 - 2025/2026

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	
	<b>Degree Programme</b>			<b>60,00</b>	<b>2 480</b>	<b>1 194</b>	<b>238</b>	<b>268</b>	<b>377</b>	<b>311</b>	
	<b>Data Culture</b>					<b>3</b>				<b>3</b>	
1	Independent Digital Literacy Test	C	Center for Support and Monitoring of Degree Programs			3				3A	Foreign language
	<b>Major</b>			<b>49,00</b>	<b>1 862</b>	<b>958</b>	<b>170</b>	<b>208</b>	<b>308</b>	<b>272</b>	
	<b>Core Professional Block (Major)</b>			<b>40,00</b>	<b>1 520</b>	<b>678</b>	<b>114</b>	<b>144</b>	<b>220</b>	<b>200</b>	
1	Algebra	C	Department of Big Data and Information Retrieval	3,00	114	40				40A	Foreign language
2	Discrete Mathematics	C	Department of Big Data and Information Retrieval	7,00	266	104	28A	32	44A		Foreign language
3	Linear Algebra and Geometry	C	Department of Big Data and Information Retrieval	10,00	380	144	28	32A	44	40A	Foreign language
4	Calculus	C	Department of Big Data and Information Retrieval	10,00	380	144	28	32A	44	40A	Foreign language
5	Introduction to Programming	C	Department of Big Data and Information Retrieval	10,00	380	246	30	48A	88	80A	Online Course, Foreign language
	<b>Elective Professional Block (Major)</b>			<b>9,00</b>	<b>342</b>	<b>280</b>	<b>56</b>	<b>64</b>	<b>88</b>	<b>72</b>	
	<b>Elective Professional Block (Major)</b>			<b>9,00</b>	<b>342</b>	<b>280</b>	<b>56</b>	<b>64</b>	<b>88</b>	<b>72</b>	
1	English Language	C	Department of Big Data and Information Retrieval	9,00	342	280	56	64A	88	72A	Foreign language
	<b>English</b>			<b>1,00</b>	<b>38</b>	<b>3</b>			<b>3</b>	<b>3</b>	
	<b>Examinations</b>			<b>1,00</b>	<b>38</b>	<b>3</b>			<b>3</b>	<b>3</b>	
1	Independent English Exam	C	School of Foreign Languages	1,00	38	3				3A	Foreign language
	<b>General Courses</b>			<b>10,00</b>	<b>580</b>	<b>230</b>	<b>68</b>	<b>60</b>	<b>66</b>	<b>36</b>	
	<b>Optional General Courses</b>			<b>9,00</b>	<b>342</b>	<b>68</b>	<b>14</b>	<b>24</b>	<b>30</b>		
1	Introduction to Economics	C	Department of Big Data and Information Retrieval	5,00	190	38		8	30A		Online Course, Foreign language

2	Foundations of Law	C	Department of Big Data and Information Retrieval	4,00	152	30	14	16A			Online Course, Foreign language
<b>Core General Courses</b>				<b>1,00</b>	<b>238</b>	<b>162</b>	<b>54</b>	<b>36</b>	<b>36</b>	<b>36</b>	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	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 SAMONENKO I.Y. 23.08.2022

Dean ARZHANTSEV I.V. 24.08.2022

Head of Degree Programmes Development Office MAMONOVA M.A. 24.08.2022

\* Subject type:

Compulsory course

C

Elective course

E