

**Curriculum**  
**Field of study 01.04.02 "Applied Mathematics and Informatics"**  
**Educational Programme "ONLINE Master of Data Science"**

APPROVED by  
Vice Rector

Faculty of Computer Science, Moscow  
 1st, 2021/2022 year of study

"\_\_\_" \_\_\_\_\_ 20\_\_.

Length of Programme: 2 years  
 Years of Study: 2021/2022 - 2022/2023  
 Mode of Study: Low Residence  
 Degree: Master's Degree

Number of Students: 74  
 Number of Groups: 2

Block Code	Course	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours			Additional Information
						1	2	3	
	(!!	!!)	<b>60</b>	<b>2280</b>	<b>86</b>	<b>48</b>	<b>20</b>	<b>18</b>	
<b>1</b>	Block 1. Courses (Modules)		<b>40</b>	<b>1520</b>	<b>64</b>	<b>48</b>	<b>16</b>		
<b>.2</b>	Components of Educational Program/Track		<b>40</b>	<b>1520</b>	<b>64</b>	<b>48</b>	<b>16</b>		
	Basic Components		<b>30</b>	<b>1140</b>	<b>48</b>	<b>40</b>	<b>8</b>		
1	Python Basic (offered in English)	Department of Big Data and Information Retrieval	5	190	8	8A			
2	Calculus (offered in English)	Department of Big Data and Information Retrieval	5	190	8	8A			
3	Discrete Mathematics (offered in English)	Department of Big Data and Information Retrieval	5	190	8	8A			
4	Python Advanced (offered in English)	Department of Big Data and Information Retrieval	5	190	8	8A			
5	Probability Theory (offered in English)	Department of Big Data and Information Retrieval	5	190	8	0	8A		
6	Linear Algebra (offered in English)	Department of Big Data and Information Retrieval	5	190	8	8A			
	Elective Components (Elective Courses)		<b>10</b>	<b>380</b>	<b>16</b>	<b>8</b>	<b>8</b>		
7	SQL (offered in English)	Department of Big Data and Information Retrieval	5	190	8		8A		
8	Basic Statistics (offered in English)	Department of Big Data and Information Retrieval	5	190	8	8A			
<b>2</b>	Block 2. Practice(s), Project and(or) Research work		<b>20</b>	<b>760</b>	<b>22</b>	<b>0</b>	<b>4</b>	<b>18</b>	
	Research Work		<b>3</b>	<b>114</b>	<b>2</b>			<b>2</b>	
9	Term Paper		3	114	2			2A	
	Project Activity		<b>17</b>	<b>646</b>	<b>20</b>	<b>0</b>	<b>4</b>	<b>16</b>	
10	Project Algorithms and Data Structures part 1		5	190	2	0	2A		

11	Project Algorithms and Data Structures part 2		5	190	2	0	2A		
12	Project seminar "Data Scraping" (offered in English)	Department of Big Data and Information Retrieval	7	266	16			16A	

A Interim assessment