



National Research University Higher School of Economics (HSE)

Curriculum  
 Field of study 04.03.01 Chemistry  
 Educational Programme "Chemistry"  
 Implementing unit: Faculty of Chemistry, HSE - Moscow  
 1 st, 2022/2023 academic year

APPROVED  
 12.05.2022  
 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>2 280</b>	<b>1 209</b>	<b>248</b>	<b>304</b>	<b>338</b>	<b>319</b>	
<b>Data Culture</b>				<b>7,00</b>	<b>266</b>	<b>121</b>	<b>26</b>	<b>34</b>	<b>22</b>	<b>39</b>	
1	Information Technology in Chemistry	C	Faculty of Chemistry	4,00	152	96	26	34A		36A	
2	Independent Digital Literacy Test	C	Center for Support and Monitoring of Degree Programs			3				3A	
3	Digital Literacy	C	Department of Big Data and Information Retrieval	3,00	114	22			22A		Online Course
<b>Major</b>				<b>44,00</b>	<b>1 672</b>	<b>776</b>	<b>132</b>	<b>198</b>	<b>244</b>	<b>202</b>	
<b>Core Professional Block (Major)</b>				<b>41,00</b>	<b>1 558</b>	<b>754</b>	<b>132</b>	<b>198</b>	<b>234</b>	<b>190</b>	
1	Linear Algebra and Geometry	C	Department of Higher Mathematics	7,00	266	132	28	32A	36	36A	
2	Calculus	C	Department of Higher Mathematics	7,00	266	132	28	32A	36	36A	
3	Basic Physical Chemistry	C	Faculty of Chemistry	4,00	152	68		24	44A		
4	Theoretical Inorganic Chemistry and Chemistry of the Elements	C	Faculty of Chemistry	17,00	646	314	76A	78A	80A	80A	
5	Physics	C	School of Electronic Engineering	6,00	228	108		32	38A	38A	
<b>Elective Professional Block (Major)</b>				<b>3,00</b>	<b>114</b>	<b>22</b>			<b>10</b>	<b>12</b>	
<b>Раздел 1. Обязательные дисциплины</b>				<b>3,00</b>	<b>114</b>	<b>22</b>			<b>10</b>	<b>12</b>	
1	Research Seminar	C	Faculty of Chemistry	3,00	114	22			10	12A	
<b>English</b>						<b>2</b>				<b>2</b>	
<b>Optional Courses</b>											
1	English	O		8,00	304	128	20	28A	40	40A	Foreign language, Credits only to the cumulative rating
<b>Examinations</b>						<b>2</b>				<b>2</b>	
1	English Language Integrative Exam	C	School of Foreign Languages			2				2A	Foreign language
<b>General Courses</b>				<b>2,00</b>	<b>76</b>	<b>306</b>	<b>90</b>	<b>72</b>	<b>72</b>	<b>72</b>	

<b>Core General Courses</b>				<b>2,00</b>	<b>76</b>	<b>306</b>	<b>90</b>	<b>72</b>	<b>72</b>	<b>72</b>	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	38	18	18A				Online Course
2	Physical Training	C	Department of Physical Training	1,00	38	288	72	72	72	72A	
<b>Internship</b>				<b>7,00</b>	<b>266</b>	<b>4</b>				<b>4</b>	
<b>Research Internship</b>				<b>3,00</b>	<b>114</b>	<b>2</b>				<b>2</b>	
1	Term Paper in Inorganic Chemistry	C		3,00	114	2				2A	
<b>Project Internship</b>				<b>4,00</b>	<b>152</b>	<b>2</b>				<b>2</b>	
1	Research Project	E		4,00	152	2				2A	

**Curriculum agreed:**

Academic Supervisor	YAROSLAVTSEV A.B.	04.05.2022
Dean	KOTOV V.I.	05.05.2022
Head of Degree Programmes Development Office	MAMONOVA M.A.	11.05.2022

\* Subject type:

Compulsory course  
 Elective course  
 Optional course

C  
 E  
 O