



ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ АВТОНОМНОЕ
ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ
НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ
«ВЫСШАЯ ШКОЛА ЭКОНОМИКИ»

ДИПЛОМ НИУ ВШЭ

О ВЫСШЕМ ОБРАЗОВАНИИ И КВАЛИФИКАЦИИ С ОТЛИЧИЕМ

Ягныч Анастасия Андреевна

В 2024 ГОДУ ЗАВЕРШИЛА ОСВОЕНИЕ ПРОГРАММЫ БАКАЛАВРИАТА «ФИЗИКА»

ПО НАПРАВЛЕНИЮ ПОДГОТОВКИ «ФИЗИКА»

ПРИСВОЕНА КВАЛИФИКАЦИЯ БАКАЛАВР

Ректор НИУ ВШЭ

Н. Ю. Анисимов

Номер диплома ВА7724 №0005163

27 июня 2024



HSE diploma
of Higher Education and qualifications with honors

Iagnych Anastasiia Andreevna

In 2024, she completed mastering of the Bachelor's degree program in «Physics»
in the field of «Physics»

The bachelor's degree was awarded

Rector of the Higher School of Economics _____ N.Y.Anisimov

Diploma number BA7724 №0005163

June, 27, 2024



DIPLOMA SUPPLEMENT

The purpose of the supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

CONTROL NUMBER
A-0014-4298

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1 Family Name(s)

IAGNYCH

Ягныч

1.3 Date of Birth

09 February 2002

1.2 Given Name(s)

ANASTASIIA

Анастасия Андреевна

1.4 Reference Number

BA7724 № 0005163

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of Qualification and Title Conferred 2.1.1 Date of Award

Bachelor

20 June 2024

Бакалавр

20 июня 2024

2.2 Main Field(s) of Study for the Qualification 2.2.1 Concentration

Physics

Physics

Физика

Физика

2.2.2 Educational Programme

Physics

Физика

2.3 Name of Institution Awarding Qualification

National Research University Higher School of Economics (Higher School of Economics/HSE)
Федеральное государственное автономное образовательное учреждение высшего образования
«Национальный исследовательский университет «Высшая школа экономики» (Высшая школа
экономики/НИУ ВШЭ)

2.4 Name of Institution Administering Studies

Same as in 2.3

2.5 Language(s) of Instruction/Examination

Russian, English

Русский, английский

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of Qualification

Bachelor

First stage tertiary university level education according to the International
Standard Classification of Education (ISCED) (According to the
National Qualifications Framework of the Russian Federation - Level 6).

3.2 Official Length of Programme

4 years, 240 credits

4 года, 240 кредитов

3.3 Access Requirements(s)

A Certificate of completed general secondary education and results of the unified state
examinations or entrance examinations

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of Study

Full Time Education

4.2 Programme Requirements

The Degree provides a more academically than professionally oriented education. Teaching consists of
lectures, seminars, workshops, laboratory works, etc. Forms of assessments: tests, exams, term papers,
internships, the Final Assessment (includes the State Interdisciplinary Examination and the public defence of
Graduation Thesis). Students are admitted to the Final Assessment after they have achieved passing grades in
each subject of the curriculum.

4.3 Programme Details

Содержание программы

Physical Training, Project Proposal, Independent English Language Test and Project Activity are not considered in GPA calculation.

UNIT TITLE / НАИМЕНОВАНИЕ ДИСЦИПЛИНЫ	CREDITS/ КРЕДИТЫ	FINAL GRADE/ ИТОГОВАЯ ОЦЕНКА	ECTS GRADE/ ОЦЕНКА
CURRICULUM (COMPULSORY AND ELECTIVE COURSES) / ПРОГРАММА ОБУЧЕНИЯ (ОБЯЗАТЕЛЬНЫЕ КУРСЫ И ДИСЦИПЛИНЫ ПО ВЫБОРУ)			
Actual problems of modern physics (Studied in English) / Актуальные вопросы современной физики (изучена на английском языке)	5	10/отлично	A++
Analytical Mechanics / Аналитическая механика	5	9/отлично	A+
Analytical Approximation Methods / Аналитические приближенные методы	4	9/отлично	A+
Safe Living Basics / Безопасность жизнедеятельности	1	8/отлично	A
Introduction to Gender Studies / Введение в гендерные исследования	5	8/отлично	A
Computational Physics / Вычислительная физика	3	8/отлично	A
Gender Sociology / Гендерная социология	5	8/отлично	A
Differential Equations / Дифференциальные уравнения	4	8/отлично	A
Advanced Topics in Mathematical Physics / Дополнительные главы математической физики	3	9/отлично	A+
Computer Science / Информатика	3	10/отлично	A++
History / История	4	8/отлично	A
Quantum Mechanics / Квантовая механика	6	8/отлично	A
Linear Algebra / Линейная алгебра	4	9/отлично	A+
Mathematical Physics / Математическая физика	3	10/отлично	A++
Calculus / Математический анализ	14	10/отлично	A++
Mechanics / Механика	5	8/отлично	A
Modernism and Postmodernism in World's Literature / Модернизм и постмодернизм в мировой литературе	7	7/хорошо	B+
Independent English Exam (Studied in English) / Независимый экзамен по английскому языку (изучена на английском языке)	5	9/отлично	A+
Low Temperature Magnetism / Низкотемпературный магнетизм	3	9/отлично	A+
Processing and Data Analysis in Physics / Обработка и анализ данных физического эксперимента	3	6/хорошо	B-
Optics / Оптика	3	10/отлично	A++
Introduction into Python / Основы программирования на Python	3	10/отлично	A++
Modern Physics: Introduction to Astrophysics / Основы современной физики: введение в астрофизику	3	10/отлично	A++
Basics of Modern Physics: Introduction to Molecular Biology / Основы современной физики: введение в молекулярную биологию	3	6/хорошо	B-
Modern Physics: Introduction to Solid State Physics / Основы современной физики: введение в физику твердого тела	3	9/отлично	A+
Fundamentals of Modern Physics: Quantum Microphysics / Основы современной физики: Квантовая микрофизика	3	8/отлично	A
Project Proposal (Studied in English) / Подготовка и защита Project Proposal по теме ВКР (изучена на английском языке)	1	8/отлично	A
Legal Literacy / Правовая грамотность	4	10/отлично	A++
Laboratory Work on Mechanics / Практикум по механике	4	9/отлично	A+
Laboratory Work on Electricity and Magnetism / Практикум по электричеству и магнетизму	4	8/отлично	A
Russian XXth Century in the Mirror of Literature / Россия XX века в зеркале литературы	5	6/хорошо	B-
Superconductivity / Сверхпроводимость	10	6/хорошо	B-
Statistical Physics / Статистическая физика	3	7/хорошо	B+
Stochastic processes and modeling in physics / Стохастические процессы и моделирование в физике	3	7/хорошо	B+
Probability Theory / Теория вероятностей	3	8/отлично	A
Group Theory and Tensor Calculus / Теория групп и тензорное исчисление	3	8/отлично	A
Field Theory / Теория поля	3	9/отлично	A+
Theory of Complex Functions / Теория функций комплексного переменного	3	10/отлично	A++
Thermodynamics and Molecular Physics / Термодинамика и молекулярная физика	3	8/отлично	A
Physics of Metals and Electronic Phenomena / Физика металлов и электронные явления	9	9/отлично	A+
Low Temperature Physics / Физика низких температур	9	8/отлично	A
Introduction to Physics of Continuous Media / Физика сплошных сред	3	9/отлично	A+
Physical Training / Физическая культура	1	зачтено	Passed
Functional Integration in the Theory of Classical Chaotic Systems / Функциональное интегрирование в теории хаотических классических систем	4	6/хорошо	B-
Chemistry for Physicists / Химия для физиков	3	9/отлично	A+
Economics / Экономика	4	9/отлично	A+
Electricity and Magnetism / Электричество и магнетизм	5	7/хорошо	B+
Electrodynamics of Condensed Matter (Studied in English) / Электродинамика конденсированных сред (изучена на английском языке)	3	8/отлично	A
Elements of Mathematical Methods of Physics / Элементы математического аппарата физики	4	10/отлично	A++

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4.4 Grading Scheme

ECTS Grades		10-point scale (Exam)	5-point scale	Pass/Fail Test
A++	Excellent	10	отлично (существенно превосходит ожидания)	зачтено (Passed)
A+	Very good	9	отлично (превосходит ожидания)	зачтено (Passed)
A	Very good	8	отлично	зачтено (Passed)
B+	Good	7	хорошо	зачтено (Passed)
B-	Good	6	хорошо	зачтено (Passed)
C+	Satisfactory	5	удовлетворительно	зачтено (Passed)
C-	Satisfactory	4	удовлетворительно	зачтено (Passed)
F	Fail	3	неудовлетворительно	не зачтено (Fail)
F	Fail	2	неудовлетворительно	не зачтено (Fail)
F	Fail	1	неудовлетворительно	не зачтено (Fail)

4.5 Overall Classification Diploma with Distinction

In the Russian Federation Diplomas with Distinction (degrees with honors) are awarded to students who have passed the state examination and defended the final qualifying work perfectly (ECTS - A) and have only good (ECTS - B) and excellent (no less than 75 % of the total) marks for all examinations, which they passed while studying at the university.

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to Further-Study

The Degree allows to access the master's degree courses.

5.2 Professional Status

Bachelor graduates in Physics have received a basic education in physics covering accompanied by essential courses in mathematical and computer sciences. The students' curriculum also includes courses in specialized fields of modern physics, accompanied by practical work in scientific laboratories. The students may continue the academic career following Master track in physics or other fields requiring analytical approach. They are also able to work in research and analytical departments of high-tech companies and teach physics to undergraduate or high school students.

6. ADDITIONAL INFORMATION

6.1 Additional information

Higher School of Economics was founded on November 20, 1992 in Moscow (Russia) on the initiative of renowned Russian economists and leading reformers. In August 2008 the HSE became one of three Russian Universities operating under the auspices of the Government of the Russian Federation. In October 2009 the Higher School of Economics was awarded the status of a National Research University. Higher School of Economics is licenced to held educational activities in the field of higher education and accredited by Federal Service for Supervision in Education and Science.

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ул. Мясницкая, д. 20,
+7 (495) 621-7983 (тел.),
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hse@hse.ru

6.2 Additional Information Sources

Official website of the National Research University Higher School of Economics (HSE) - www.hse.ru

Official website of the Ministry of Education and Science of The Russian Federation - minobrnauki.gov.ru

Official website of the National Accreditation Agency - www.nica.ru

7. CERTIFICATION OF THE SUPPLEMENT

7.1 Capacity
Rector

7.2 Signature
N.Anisimov

7.3 Date of Signature
27 June 2024



Credits. Workload of student's training activity in National Research University Higher School of Economics (HSE) is defined in academic hours and credits. One academic hour is equal to 40 astronomic minutes of students' studies (both in theory and in practice). One credit is equal to 38 academic hours (apr. 25 astronomic hours) depending on complexity of studied discipline.

Academic Performance Rating. There are two forms of final academic performance rating in HSE: examination and test. As a rule educational institutions in Russian Federation apply 5- point grading scale in respect for students' knowledge. Educational outcomes of students in HSE are estimated by 10- point grading scale. Disciplines with final control in test form may also contain the mark in 10-point grading scale. Students of HSE are taught according to annual approved curriculum based on educational standards defining the contents, the forms, the goals and the terms of education. Regulatory time limit for full-time courses is the following: four years for obtaining the bachelor's degree, five years for obtaining the specialist's degree, two years for obtaining the master's degree. Student's pass to the next year of education is possible after getting the "pass" grade or higher in all disciplines of the current year of studies. Students who have completed the plan of studies in full size receive the diploma of higher education and obtain the qualification corresponding to their educational level.

Percentile indicates the share (in a percentage) of students out of an entire selection that demonstrates study results above that of the student in question.

Grade Point Average (GPA) means an indicator showing the average weighted results of all students' grades, whereby the total number of credits for a given course shall serve as the weight coefficient.

8. RUSSIAN EDUCATIONAL SYSTEM

28	Scientific Degrees	
	Doctor of Sciences (Level 9)	2-3 years
27	PhD/Candidate of Sciences (Level 8)	
26	Higher Education	
25	Researcher. Lecturer (University education, 180-240 credits, Level 8)	
24	3-4 years	
23	Specialist (Level 7)	Master (Level 7)
22	(University education, 300 - 360 credits)	(University education, 120 credits)
21	5-6 years	2 years
20		Bachelor (Level 6)
19		(University education, 240 credits)
18		4 years
17	Unified State Exam	Secondary Vocational Education
16	Secondary General Education	Advanced
15	2 years	Programmes for mid-career professionals
14		4 years
13		Basic
12		Programmes for skilled workers, junior technicians and employees
11		4 years
10	Basic General Education	
9	5 years	
8	Primary General Education	
7	4 years	
6	Pre-school General Education	
5	4 years	
4		
3		