

Diploma Supplement

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. 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 judgments, 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.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION		
1.1	Family name:	Barsukov
1.2	Given name(s):	Maxim
1.3	Date, place, country of birth:	August 22, 2004, Rostov-on-Don, Russia
1.4	Student identification number or code:	Personal student reference code: 367081
2. INFORMATION IDENTIFYING THE QUALIFICATION		
2.1	Name of qualification: Name of title (full, abbreviated):	Бакалавр (Bachelor) Name of title conferred is not applicable
2.2	Main field(s) of study for the qualification:	Field of Study: Software Engineering Educational Programme: System and Applied Software
2.3	Name and status of awarding institution:	Министерство Науки и Высшего Образования Российской Федерации Федеральное государственное автономное образовательное учреждение высшего образования «Национальный исследовательский университет ИТМО», Российская Федерация ITMO University, Russian Federation Federal State Autonomous Educational Institution of Higher Education under the Jurisdiction of the Ministry of Science and Higher Education of the Russian Federation
2.4	Name and status of institution administering studies:	Same as in 2.3
2.5	Language(s) of instruction / examination:	Russian
3. INFORMATION ON THE LEVEL OF THE QUALIFICATION		
3.1	Level of qualification:	Basic higher education level. According to the International Standard Classification of Education (ISCED), the Qualification applies to the first stage of the third level of higher education (scale 5A).
3.2	Official length of the programme:	4 years, 240 ECTS credit points, 4742.36 hours
3.3	Access requirements:	
4. INFORMATION ON THE CONTENTS AND RESULTS GAINED		
4.1	Mode of study:	Full-time
4.2	Programme requirements:	Total time of studying: 8 semesters or 208 weeks, including 142 weeks of theory including 22 weeks of examinations; 10 weeks of practical and research work; 8 weeks of final state examination including graduation paper; 48 weeks of holidays.
4.3	Programme details:	

	Discipline	ECTS credit points	National grade	ECTS grade
1	Advanced Mathematics	6	5	A
2	Algorithms and Data Structures	3	4	B
3	Artificial Intelligence Systems	4	5	A
4	Basics of Mathematics	12	5	A
5	Business Logic of Program Systems	4	4	B
6	Business Models of Key Innovation Economy Sectors	3	5	A
7	Cloud and Hazy Computing	3	passed	U/T
8	Communication and Teamwork Skills	3	passed	U/T
9	Computational Mathematics	3	passed	U/T
10	Computer Architecture	4	5	A
11	Computer Networks	5	4	B
12	Computer Science	3	5	A
13	Computer Systems Design	4	5	A
14	Databases	3	5	A
15	Discrete Mathematics (advanced level)	4	passed	U/T
16	Discrete Mathematics (basic level)	4	4	B
17	Distributed Computing	3	passed	U/T
18	Distributed Systems of Data Storage	4	5	A
19	Embedded Systems	3	passed	U/T
20	English C1	6	passed	U/T
21	Foreign Language	12	passed	U/T
22	Functional Programming	3	passed	U/T
23	Fundamentals of Professional Activity	6	5	A
24	Fundamentals of Software Engineering	4	4	B
25	History of Western European and Russian culture	3	5	A
26	Information Security	4	passed	U/T
27	Information Systems	4	5	A
28	Innovative Economics and Technological Entrepreneurship	3	5	A
29	Input/Output Systems	3	passed	U/T
30	ITMOEnter	1	passed	U/T
31	Life Safety	2	passed	U/T
32	Mathematical Statistics	3	4	B
33	Mobile Application Development	3	passed	U/T
34	Modeling	5	4	B
35	Operating Systems	4	5	A
36	Optimization Methods	3	passed	U/T
37	Philosophy	3	5	A
38	Physical Culture and Sports (basic)	9	passed	U/T
39	Physics	8	5	A
40	Probability Theory	3	passed	U/T
41	Programming	6	5	A
42	Programming Languages	3	5	A
43	Protecting and Actions of a Person in Emergency Conditions	3	5	A
44	Public Speaking and Presentation Techniques	3	passed	U/T

45	Refactoring databases and applications	3	passed	U/T
46	Service-Oriented Architecture	4	4	B
47	Signals Processing	3	passed	U/T
48	Software Architecture	4	5	A
49	Software Engineering Economics	3	passed	U/T
50	Software Quality	3	passed	U/T
51	Software Testing	3	passed	U/T
52	UI Design	4	5	A
53	Virtualization Technologies	3	passed	U/T
54	Web Programming	4	5	A

Practical Training	ECTS credit points	National grade	ECTS grade
Educational, Introductory	3	5	A
Industrial Pre-graduation Internship	6	5	A
Industrial Technological Internship (Tech Project)	12	5	A

Term Papers	ECTS credit points	National grade	ECTS grade
Information Systems	-	5	A

Optional Subject	ECTS credit points	National grade	ECTS grade
Linear Algebra (advanced level)	-	passed	U/T

Graduation Thesis	ECTS credit points	National grade	ECTS grade
Design and Development of a Distributed Data Store for Semantic Networks	6	5	A

4.4	Grading scheme		Russian national grade	Meaning of grade	ECTS
			5 (excellent)	<i>High level of competence</i>	A
			4 (good)	<i>Good general performance</i>	B C
			3 (satisfactory)	<i>Fair general performance</i>	D E
			2 (unsatisfactory)	<i>Failure</i>	F
			passed	<i>Ungraded test</i>	U/T
4.5	Overall classification:	Bachelor's degree with Honours			

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1	Access to further study:	This qualification gives access to postgraduate study.
5.2	Professional Status:	This Diploma gives its holder the right to carry out professional activities where higher education is required.

6. ADDITIONAL INFORMATION

6.1	Additional Information:	Founded in 1900, the Saint Petersburg National Research University of Information Technologies, Mechanics and Optics (ITMO University) is a leading Russian school in information and optical technology. ITMO University currently provides educational services on both undergraduate and postgraduate levels in approximately 40 specializations related to information and computer technologies, computer science, optical engineering, physical
-----	-------------------------	---

		engineering, optical technologies, etc. ITMO University has a considerable size with more than 12,000 students and 1,200 teachers, researchers and other staff members. ITMO University is fully participating in the Bologna process and provides educational services in accordance with the two-tier model, i.e. at Bachelor and Master level. ITMO University is a full member of European University Association (EUA). This is the first university in the Russian Federation, which has conducted the Institutional Evaluation Program administered by the EUA.
6.2	Additional Information Sources:	Official website of ITMO University: < http://www.itmo.ru >. Official website of the Ministry of Science and Higher Education of the Russian Federation: <https://www.minobrnauki.gov.ru/>

7. CERTIFICATION OF THE SUPPLEMENT		
	This Diploma Supplement refers to the following original document: N° 107824 2706981 issued on June 30, 2026	
	Date of Signature:	July 13, 2026
	Official Stamp / Seal	Rector Vladimir N. Vasilyev

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM: For information on the Russian system of education, see enclosure.

