



Saint-Petersburg State University of Information Technologies, Mechanics and Optics Russia

This Diploma Supplement model was 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.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION		
1.1	Family name:	Ivanov
1.2	Given names:	Ivan
1.3	Patronymic name	Ivanovich
1.4	Date (place, country) of birth:	11 May 1982, Saint Petersburg, Russia
1.5	Student identification number or code:	Personal student reference code: 000000
2. INFORMATION IDENTIFYING THE QUALIFICATION		
2.1	Name of qualification, Name of title (full, abbreviated):	Specialist (Engineer)
2.2	Main field(s) of study for the qualification:	The electric drives and automated units of plants and technological complexes Specialization: The electric drives of control systems used in monitoring equipment
2.3	Name and status of awarding institution:	Saint-Petersburg State University of Information Technologies, Mechanics and Optics Status: State University under the jurisdiction of the Ministry of Education and Science 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:	Tertiary university level education. The level of education corresponding to the qualification of Specialist typically substantially exceeds Bachelor's level and is slightly below Master's level. According to the International Standard Classification of Education (ISCED), the Qualification applies to the second stage of the third level of higher education (scale 5A).
3.2	Official length of programme:	5,5 years, 286 weeks, 330 ECTS credit points, 12960 hours
3.3	Access requirement:	Secondary school education, University entrance examination
4. INFORMATION ON THE CONTENTS AND RESULTS GAINED		
4.1	Mode of study:	Full-time
4.2	Program requirements:	Total years of studying: 11 semesters or 286 weeks, including 170 weeks or 9180 hours of theory; 40 weeks of examinations; 14 weeks of practical work; and a final state examination, including fulfillment of student's research work: 16 weeks (864 hours); holidays: 46 weeks, including 8 weeks after graduation.

4.3 Program details:

Discipline	Academic Hours	ECTS credits	ECTS grade
Foreign Language	393	10	B
Sports	408	10	test
Philosophy	189	5	A
Russian History	172	4	A
Culture	172	4	A
Economics	189	5	B
Mathematics	911	23	A
Information Science	224	6	A
Physics	711	18	B
Chemistry	206	5	B
Environmental Science	70	2	test
Physical Fundamentals of Electronic Engineering	223	6	B
Mechanical Engineering	206	5	A
Descriptive Geometry	243	6	A
Science of Materials	194	5	A
Applied Mechanics	150	3	A
Metrology, Standardization, Surveying and Certification	70	2	test
Theory of Electric Technology	249	6	A
Life Safety	180	5	test
Electric Machines	223	6	A
Electric and Electronic Devices	240	6	A
Electric Drives	155	4	A
Electric Drive Theory	155	4	B
Electric Drive Control Systems	403	10	B
Elements of Automation Solutions	202	5	B
Automated Electric Drives of Standard Machinery	153	4	test
Economics and Industrial Engineering of Electric Drives	102	3	test
Social Science	102	3	test
Fundamentals of Logic and Rhetoric	85	2	test
Management	85	2	test
Fundamentals of Semiconductor Physics	75	2	test
Theory of Automatic Controls	189	5	B
Computer Science in Electric Engineering	68	2	test
Student's Independent Research	114	3	test
IT Transformer for Electromechanical Systems	235	6	C
Circuit Control Systems	522	13	A
Engineering of Semiconductor Converters	53	1	B
Engineering of Microprocessor Control Systems	309	7	D
Control System Simulation	24	1	B
Theoretical Fundamentals of Digital Control Systems	121	3	A
Precision Monitoring System of an Optical Telescope	52	1	A
History of Science and Technology	85	2	test
Sociometrics	102	3	test
Business Administration, Economics and Marketing	85	2	test
Information Technology	195	5	A
Fundamentals of Thermal Physics	83	2	test
Engineering of Electromechanical Transformers	102	3	test
Instrument-Making Technology	121	3	A
Military Training	451	11	test

Course papers	Academic hours	ECTS credits	ECTS grade
Design of driving gear with engine	78	2	A

Practice work

Practice work	Academic hours	ECTS credits	ECTS grade
Practical training	324	10	A
Pre-diploma practical training	324	10	A

The Final examination

	Academic hours	ECTS credits	ECTS grade
Final Examination	216	6	A

Defense of graduation work

Graduation work	Academic hours	ECTS credits	ECTS grade
Numeric systems' subordinated speed loop control	648	20	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
2 (unsatisfactory)	<i>Failure</i>	E		
4.5	Overall classification:	Regular Diploma		

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1	Access to further study:	The qualification of Specialist gives access to postgraduate doctoral study.
5.2	Professional Status:	Specialist (Engineer). This Diploma gives its holder the right to carry out professional activities where higher education is necessary.

6. ADDITIONAL INFORMATION

6.1	Additional Information:	<p>Founded in 1900, the Saint-Petersburg State University of Information Technologies, Mechanics and Optics (University ITMO) is a leading Russian school in Information and Optics Technology. University ITMO currently provides educational services, at both undergraduate and postgraduate level, in approximately 40 specializations related to Information and Computer Technology, Computer Science, Optical Engineering, Physical Engineering, Optical Technologies etc.</p> <p>University ITMO has a considerable size with more than 8,900 students and 1,470 teachers, researches and other staff members. University ITMO fully participates in the Bologna process and provides educational services in accordance with the two-tier model, i.e. at Bachelor and Master level.</p>
6.2	Additional Information Sources:	<p>Official website of Saint-Petersburg State University of Information Technologies, Mechanics and Optics: < http://www.ifmo.ru >.</p> <p>Official website of the Ministry of Education and Science of the Russian Federation: <http://mon.gov.ru/> or < http://eng.mon.gov.ru/ >.</p>

7. CERTIFICATION OF THE SUPPLEMENT

	This Diploma Supplement refers to the following original documents: BCF No. 0000000 issued on 25 January 2008.				
	Date of Signature: 30 June 2008				
Official Stamp / Seal	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Rector</td> <td style="width: 50%; text-align: right;">Vladimir N. Vasiliev</td> </tr> <tr> <td>Vice-Rector in Bologna Process</td> <td style="text-align: right;">Andrei V. Rybin</td> </tr> </table>	Rector	Vladimir N. Vasiliev	Vice-Rector in Bologna Process	Andrei V. Rybin
	Rector	Vladimir N. Vasiliev			
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8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM: For information on the Russian system of education, see enclosure.

