



# DIPLOMA SUPPLEMENT

## RECORD OF ACADEMIC ACHIEVEMENT

### WITH HONOURS

**2018/004**

**CONTROL NUMBER**

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” as well as 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 mentioned on the original qualification to which this supplement is attached. 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.

<b>1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION</b>		
1.1	Family name:	MONICH
1.2	Given names:	IVAN
1.3	Date (place, country) of birth:	07 March 1985, Chita, USSR
1.4	Student identification number or code:	n/a
<b>2. INFORMATION IDENTIFYING THE QUALIFICATION</b>		
2.1	Name of qualification. Name of title (full, abbreviated):	Specialist
2.2	Main field(s) of study for the qualification:	Specialty: Computer and automated systems software Specialization: System programming
2.3	Name of institution awarding qualification (status, type, control):	State Educational Institution of Higher Professional Education “Chita State University”. University under the jurisdiction of the Ministry of Education and Science of the Russian Federation.
2.4	Name of institution administering studies (status, type, control):	See 2.3
2.5	Language(s) of instruction / examination:	Russian
<b>3. INFORMATION ON THE LEVEL OF THE QUALIFICATION</b>		
3.1	Level of qualification:	Qualified as an Engineer. According to the state structure of education in the Russian Federation (point 8) this qualification is equivalent to Master degree, which is the second cycle of higher education in Russia. Upon the completion of this cycle Specialist's Diploma is awarded.
3.2	Official length of programme:	5 years, 10 semesters (10098 hours = 300 ECTS credits)
3.3	Access requirement(s):	According to Point 2 Article 69 of the Federal Law “On Education in the Russian Federation” (29 December 2012 № 273-FZ) applicants must have the Certificate of Secondary General Education + results of entrance examinations.
<b>4. INFORMATION ON THE CONTENTS AND RESULTS GAINED</b>		
4.1	Mode of study:	Full-time
4.2	Program requirements:	Diploma gives access to the next cycle of higher education (postgraduate programs) and professional activity in “Computer and automated systems software” and the relevant fields. Teaching is organized in the forms of seminars, workshops, laboratory works with compulsory tests and exams afterwards.
4.3	Program details:	See below



Discipline title		Study load, hours	ECTS credits	ECTS grades	Traditional grade
1.	Foreign language	378	11	A	Excellent
2.	Physical training	72	2		Passed
3.	History of Russia	144	4	A	Excellent
4.	Philosophy	144	4	A	Excellent
5.	Economics	126	4	A	Excellent
6.	Political studies	72	2		Passed
7.	Algebra and geometry	144	4	A	Excellent
8.	Mathematical analyses	360	10	A	Excellent
9.	Discrete mathematics	126	4	A	Excellent
10.	Mathematics logics and algorithms theory	108	3	A	Excellent
11.	Computational mathematics	144	4	A	Excellent
12.	Probability theory, mathematical statistics and stochastic process	108	3		Passed
13.	Computer science	144	4		Passed
14.	Physics	396	11	A	Excellent
15.	Ecology	72	2		Passed
16.	Engineering drawing	90	4	A	Excellent
17.	Computer design	144	4		Passed
18.	Electronics and electrical engineering	234	7	A	Excellent
19.	Metrology, standardization and certifications	108	3		Passed
20.	Health and safety training course	100	3		Passed
21.	Production organization and planning	85	2		Passed
22.	High-level language programming	270	9	A	Excellent
23.	Fundamentals of management theory	108	3		Passed
24.	Organization of computers and computer systems	144	5	A	Excellent
25.	Operational systems	144	5	A	Excellent
26.	Databases	144	5	B	Good
27.	Computer networks and telecommunication	180	6	A	Excellent
28.	Methods and means of information protection	108	3		Passed
29.	Structures and algorithms of data processing	198	7	B	Good
30.	Functional and logical programming	144	5	A	Excellent
31.	Object-oriented programming	144	5	A	Excellent
32.	Programming language theory and translation method	126	5	A	Excellent
33.	Theory of computational processes	100	4	A	Excellent
34.	Computer architecture	100	4	A	Excellent
35.	Human-computer interaction	100	4		Passed
36.	Software technology	170	6	B	Good
37.	Psychology and pedagogy	54	2		Passed
38.	Law	72	2		Passed
39.	Sociology	72	2		Passed
40.	Intensive English language course	72	2		Passed
41.	Optimization methods	108	3	A	Excellent
42.	Decision-making theory	90	3	A	Excellent
43.	Computer modeling	90	4	A	Excellent
44.	Processing of experimental data	72	3	A	Excellent
45.	Business English	108	3		Passed
46.	Fundamentals of accounting	102	3		Passed
47.	Fundamentals of business	54	2		Passed
48.	Complex variable theory, methods and functions	90	3		Passed
49.	Equations of mathematical physics	90	3		Passed
50.	Assembler language and low-language programming	90	3		Passed
51.	Numerical methods for solving differential equations	72	3	A	Excellent
52.	Visual programming	60	2		Passed
53.	Interactive graphic systems	136	5	A	Excellent



54.	Concurrent programming	119	4	B	Good
55.	Artificial intelligence systems and neurocomputer systems	153	4		Passed
56.	Digital signal processing systems	68	2		Passed
57.	New computer systems	119	4	A	Excellent
58.	Expert systems	136	4		Passed
59.	Military training	432	12	A	Excellent
<b>Course papers:</b>		-	-	-	-
1.	Graphics file formats	-	-	B	Good
2.	Creation of a database to record an appointment with the Head of the city administration	-	-	A	Excellent
3.	Screen keyboard on assembler	-	-	A	Excellent
4.	Using dichotomy, iteration, Newton's, secant methods for solving one equation	-	-	A	Excellent
5.	Development of the car sale local database	-	-	A	Excellent
6.	Hashing	-	-	B	Good
7.	Development of the customer FTP and server FTP	-	-	A	Excellent
8.	Algorithm for conversion to Chomsky normal form	-	-	B	Good
9.	Semantic analysis of Chinese texts – annotator of Chinese texts under the Win32	-	-	A	Excellent
10.	Implementation of "running cube" algorithm for isosurface polygonisation	-	-	A	Excellent
11.	Creating a small expert system	-	-	A	Excellent
<b>Internships:</b>		-	-	-	-
1.	Study internship (C++ programming language)	180	5	A	Excellent
2.	Study internship (assembler language)	108	3	A	Excellent
3.	Work experience internship	288	8	A	Excellent
4.	Science experience internship	216	6	A	Excellent
5.	Pre-diploma internship	216	6	A	Excellent
<b>Final state examinations:</b>		-	-	-	-
Final state professional exam		-	-	A	Excellent
<b>Final qualifying work:</b>		-	-	-	-
Software system of phonetic and semantic processing of Chinese texts translated into Russian and English		828	23	A	Excellent
<b>TOTAL HOURS / ECTS CREDITS:</b>		<b>10098</b>	<b>300</b>		

Note: a) In the Russian Federation study load is evaluated in academic hours or AH. 1 AH = 45 minutes. At TSU student's load is also evaluated in ECTS credits. Student's load involves lectures, practical, individual work and other kinds of work – all work required for examination. The basic allocation of academic ECTS credits is 60 credits per year of study. Credits are awarded only when the course is completed and all the examinations are successfully passed.

b) 1 week of full-time study = 54 AH = 1,5 ECTS credit

4.4	Grading scheme; grade distribution guidance	«отлично» (otlichno – excellent); «хорошо» (khorosho – good); «удовлетворительно» (udovletvoritelno – satisfactory); «неудовлетворительно» (neudovletvoritelno – unsatisfactory) or «зачтено» (zachteno – passed); «незачтено» (nezachteno – not passed) The lowest passing grade is «удовлетворительно» (satisfactory) and «зачтено» (passed). Students are eligible for the next year of study and diploma awarding only if they get passing grades in every discipline of the curriculum. To estimate the quality of knowledge the following scale is applied at TSU:
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ECTS grades			TSU traditional grade
A	Excellent – Outstanding performance with only minor errors	Excellent	Passed
B	Very good – Above the average standard but with some errors	Good	
C	Good – Generally good work with a number of notable errors		
D	Satisfactory – Fair but with significant shortcomings	Satisfactory	
E	Sufficient – Performance meets the minimum criteria		
FX	Fail – Some more work required before the credit can be awarded	Fail	Not passed
F	Fail – Considerable further work is required		

Overall classification: n/a

## 5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1	Access to further study:	Graduate (specialist) is eligible to enter postgraduate programs.
5.2	Professional status:	Diploma gives right to pursue professional activity in the relevant fields.



6. ADDITIONAL INFORMATION		
6.1	Additional information:	<p>Transbaikal State University is a multi-educational, scientific and innovative complex, providing a multi-level training of highly qualified specialists for industry, governmental/municipal authorities and law structures in the area of Transbaikal region, Far East and Eastern Siberia.</p> <p>Until 2003 Transbaikal State University was named State Educational Institution of Higher Professional Education "Chita State Technical University". Then it was renamed to State Educational Institution of Higher Professional Education "Chita State University" (Order of RF Ministry of Education and Science № 274- κ by 23.07.2003).</p> <p>In 2012 State Educational Institution of Higher Professional Education "Chita State University" was reorganized to Federal State Budgetary Educational Institution of Higher Professional Education "Transbaikal State University" after consolidation with Transbaikal State Humanitarian Pedagogical University named after N. Chernyshevsky (Order of RF Ministry of Education № 33 by 20.01.2012). In 2016 Federal State Budgetary Educational Institution of Higher Professional Education "Transbaikal State University" was renamed to Federal State Budgetary Educational Institution of Higher Education "Transbaikal State University" (Order of RF Ministry of Education and Science № 259 by 21.03.2016).</p> <p>Now it is the largest University in Transbaikal region, which educational and scientific potential responds the modern requirements and ensure sustainable development of higher education. Transbaikal State University creates the conditions for all directions of quality education, for the development of every student professional, scientific and creative abilities.</p> <p>Transbaikal State University is licensed to hold educational activities by the Ministry of Education and Science of the Russian Federation (License 90L01 № 0000689 of 21 March 2013, registration number 0643).</p> <p>Transbaikal State University is accredited by the Ministry of Education and Science of the Russian Federation (Certificate 90A01 № 0000620 of 26 April 2013, registration number 0616).</p>
6.2	Additional information sources:	<p>Official website of TSU: <a href="http://zabgu.ru/">http://zabgu.ru/</a></p> <p>Official website of the Ministry of Education and Science of the Russian Federation: <a href="http://mon.gov.ru/">http://mon.gov.ru/</a></p>

#### 7. CERTIFICATION OF THE SUPPLEMENT

This Diploma Supplement refers to the following original documents: Specialist Diploma with honours series BCA №0386428 of June 13, 2007; registration number 9764 (June 27, 2007).

Date of signature 08 / 08 / 2018

Rector /S.A. Ivanov/

Acting Head of Office for International Affairs /S.A. Dorozhkova/

Official stamp / seal

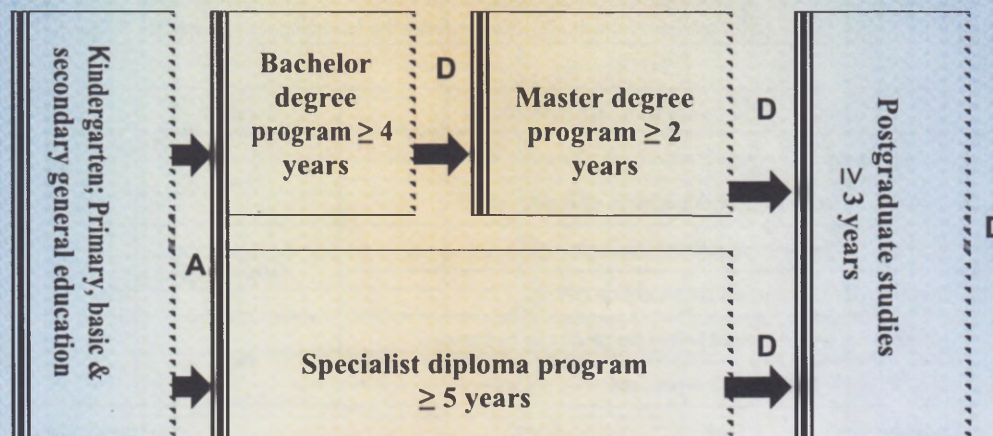
#### 8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

The Federal Law "On Education in the Russian Federation" sets the following levels of higher education (29 December 2012 № 273-FZ):

- 1) Higher education – Bachelor degree programs;
- 2) Higher education – Specialist Diploma programs, Master degree programs;
- 3) Higher education - Postgraduate studies (Aspirantura).

Higher education is aimed at personal development and acquisition of professional qualification to prepare for a specific career. Completing each level of higher education results in diploma of higher education and qualification.

17	21	22	23	26	Age
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- Entrance exams

- Final attestation

Types of credentials:

A – Attestat, D– Diploma