DIPLOMA SUPPLEMENT

Russian State Agrarian University - Moscow Timiryazev Agricultural Academy

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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 Name		**1.2 Date of birth**		**1.3 Student ID**	
2. INFORMATION IDENT IFYING THE QUALIFICATION					
2.1 Field of study	*Mathematical methods in economics / Математические методы в экономике*				
2.2 Name and status of awarding institution	Федеральное государственное бюджетное образовательное учреждение высшего образования «Российский государственный аграрный университет – МСХА имени К. А. Тимирязева»				
	Federal State Budgetary Educational Institution of Higher Education «Russian Timiryazev State Agrarian University»				
	License № 2031 dated June 18, 2009 Issued by the Federal Service for Supervision in Education and Science Date of expiry: June 18, 2014				
	Certificate of State Accreditation No. 1954 dated May 25, 2009 Issued by the Federal Service for Supervision in Education and Science Date of expiry: May 25, 2014				
2.3 Language (-s) of institution/examinations	Russian				
3. INFORMATION ON THE LEVEL AND DURATION OF QUALIFICATION					
3.1 Qualification: Specialist (ISCED Level 766)		**3.2 Program duration:** 5 years			
3.3 Access requirements: Certificate of Secondary Education (ISCED Level 5), Entrance examination					
4. PROGRAMME COMPLETED AND OBTAINED RESULTS					
4.1 Study mode: Full-time					
4.2 Learning outcomes: The student has mastered aspects of conducting enterprise economics and the organization of agricultural production; methods for solving mathematical programming problems. Able to formulate and solve optimization problems in economics, finance and management. One has the skills to search and analyze information about the state of finance in various economic systems. Able to analyze and model economic processes and objects at the micro, macro and global levels; predict and program economic systems; carry out risk assessment and build risk reduction models. Able to conduct multivariate analytical calculations in the field of economic and management activities. Applies statistical methods for processing economic information.					

4.3 Program details, individual credits gained and grades/marks obtained

№	Course	Duration (Academic hours)	Grade	ECTS
1	National history	90	Good	3.0 credits
2	Philosophy	160	Satisfactory	5.4 credits
3	Russian language and speech culture	100	Passed	3.4 credits
4	Jurisprudence	102	Good	3.5 credits
5	Political science	90	Passed	3.0 credits
6	Foreign language (English)	340	Good	11.5 credits
7	Physical education	408	Passed	13.8 credits
8	Psychology and pedagogy	60	Passed	2.0 credits
9	Regional studies	80	Passed	2.7 credits
10	Agrarian law	100	Passed	3.4 credits
11	Probability theory	110	Satisfactory	3.7 credits
12	Mathematical analysis	400	Satisfactory	13.5 credits
13	Linear algebra	140	Satisfactory	4.7 credits
14	Mathematical statistics	120	Satisfactory	4.1 credits
15	Game theory	90	Passed	3.0 credits
16	Informational technologies	300	Good	10.2 credits
17	Modern natural science concept	90	Good	3.0 credits
18	System analysis	140	Excellent	4.7 credits
19	Mathematical methods and operations analysis methods	230	Good	7.8 credits
20	Statistics	230	Good	7.8 credits
21	Economic theory, including "Macroeconomics", "Microeconomics"	320	Satisfactory	10.8 credits

4.3 Program details, individual credits gained and grades/marks obtained

№	Course	Duration (Academic hours)	Grade	ECTS
22	Econometrics	90	Passed	3.0 credits
23	Macroeconomics processes and systems modelling	100	Excellent	3.4 credits
24	Microeconomics processes and systems modelling	300	Good	10.2 credits
25	Social and ecological system modelling	90	Passed	3.0 credits
26	Economics of the enterprise	121	Satisfactory	4.1 credits
27	Marketing	70	Passed	2.4 credits
28	Management	100	Satisfactory	3.4 credits
29	Accounting	150	Good	5.1 credits
30	Finances and credits	133	Good	4.5 credits
31	World economics	85	Good	2.9 credits
32	Risk theory and risk situation modelling	120	Satisfactory	4.1 credits
33	Methods of social-economical forecasting and planning	160	Good	5.4 credits
34	Econometric modelling	80	Excellent	2.7 credits
35	Mathematical methods for financial analysis	70	Passed	2.4 credits
36	Insurance and actuarial calculations	70	Passed	2.4 credits
37	Numeral methods	110	Passed	3.7 credits
38	Theory of optimal management	40	Passed	1.4 credits
39	Mechanization and electrification of agrarian industry	110	Passed	3.7 credits
40	Agronomy with elements of soil science and agrochemistry	70	Passed	2.4 credits
41	Horticulture products manufacture technology	154	Satisfactory	5.2 credits
42	Horticulture products storage and processing	50	Passed	1.7 credits
43	Livestock products production and processing technology	180	Good	6.1 credits
44	Organization of labor rationing and payment at agricultural enterprises	128	Good	4.3 credits
45	Organization of production at agricultural enterprises	117	Satisfactory	4.0 credits
46	Economics of agribusiness sectors	110	Good	3.7 credits
47	Agribusiness	100	Satisfactory	3.4 credits
48	Foreign economic relations of agricultural enterprises	60	Passed	2.0 credits
49	Life safety	60	Passed	2.0 credits
50	Imitational modelling	72	Passed	2.4 credits
51	Optional courses:	540		18.3 credits
52	Cultural science	75	Passed	2.5 credits
53	Actual problems of economic theory.	40	Passed	1.4 credits
54	Philosophy of science.	55	Passed	1.9 credits
55	Contract law	70	Passed	2.4 credits
56	Databases	90	Passed	3.0 credits
57	Labor right	70	Passed	2.4 credits
58	State regulation of a market economy	70	Passed	2.4 credits
59	Agricultural marketing management	70	Passed	2.4 credits
	Course papers			
1			Good	
2			Good	
3			Satisfactory	
4			Good	
5			Satisfactory	
6			Satisfactory	
7			Satisfactory	
8			Good	

№	Course	Duration (Academic hours)	Grade	ECTS
	Practical training: including:			
1	Study practice	2 weeks	Passed	2 credits
2	Industrial practice	14 weeks	Satisfactory	14 credits
	Final State Examinations:			
1	Information Technology in Economics	150	Satisfactory	5.1 credits
2	Application development and application	90	Good	3.0 credits
3	Automated Information Systems in Economics	180	Satisfactory	6.1 credits
4	Analysis of financial and economic activity of the enterprise of the agro-industrial complex	100	Good	3.4 credits
5	Economic evaluation of investment projects in the agricultural sector	67	Passed	2.3 credits
6	Information Markets	50	Passed	1.7 credits
7	Thesis Defense: "«)"	14 weeks	Good	14 credits
8	Final State Exam (interdisciplinary exam)		Satisfactory	
	Total workload, including interaction between student and teacher	7926 hours 4362 hours		300 credits

4.4 Grading scheme, grad distribution guidance

The passing grades are: Excellent («отлично» / otlichno) – A, Good («хорошо» / khorosho) – B, Satisfactory («удовлетворительно» / udovletvoritelno) – C. Alternative scale Passed («зачтено» / zachteno) / Failed («незачтено» / nezachteno). Students are permitted to be enrolled to the next academic year and to be awarded a degree only in case they have passed grade in all the courses included to the curriculum. Not passing grades are: Unsatisfactory («неудовлетворительно» / neudovletvoritelno) – E, Failed («незачтено» / nezachteno) – F.

4.5 Overall classification of the qualification: Regular diploma / Диплом без отличия

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study: ISCED level 8

5.2 Access to a regulated profession (if applicable): The degree enables to carry out professional activities in accordance with the level of education and qualification.

6. ADDITIONAL INFORMATION

6.1 Additional information: The Russian State Agrarian University — Moscow Timiryazev Agricultural Academy (RSAU-MTAA) is the oldest agricultural institution of higher education in Russia. It was founded as Petrovskaya Agrarian Academy in 1865 by the highest order of Russian emperor Alexander II. In 2014, two neighboring universities Agroengeneering University n.a. V.P. Goryachkin and Environmental Engineering University n.a. A.N. Kostyakov merged together with Timiryazev Academy in one institution named Russian Timiryazev State Agrarian University.

6.2 Additional information sources:	Official website of RSAU-MTAA www.timacad.ru Official website of the Russian Federation Ministry of Education and Science www.eng.mon.gov.ru National information center Glavekspertcentr https://nic.gov.ru/

7. CERTIFICATION OF THE SUPPLEMENT

The Diploma Supplement refers to the following original documents:
Specialist Degree Diploma and Diploma Transcript
Date of issue: , Registration Number:

Signatures of people in charge

Vice-Rector on Academic and Educational Affairs

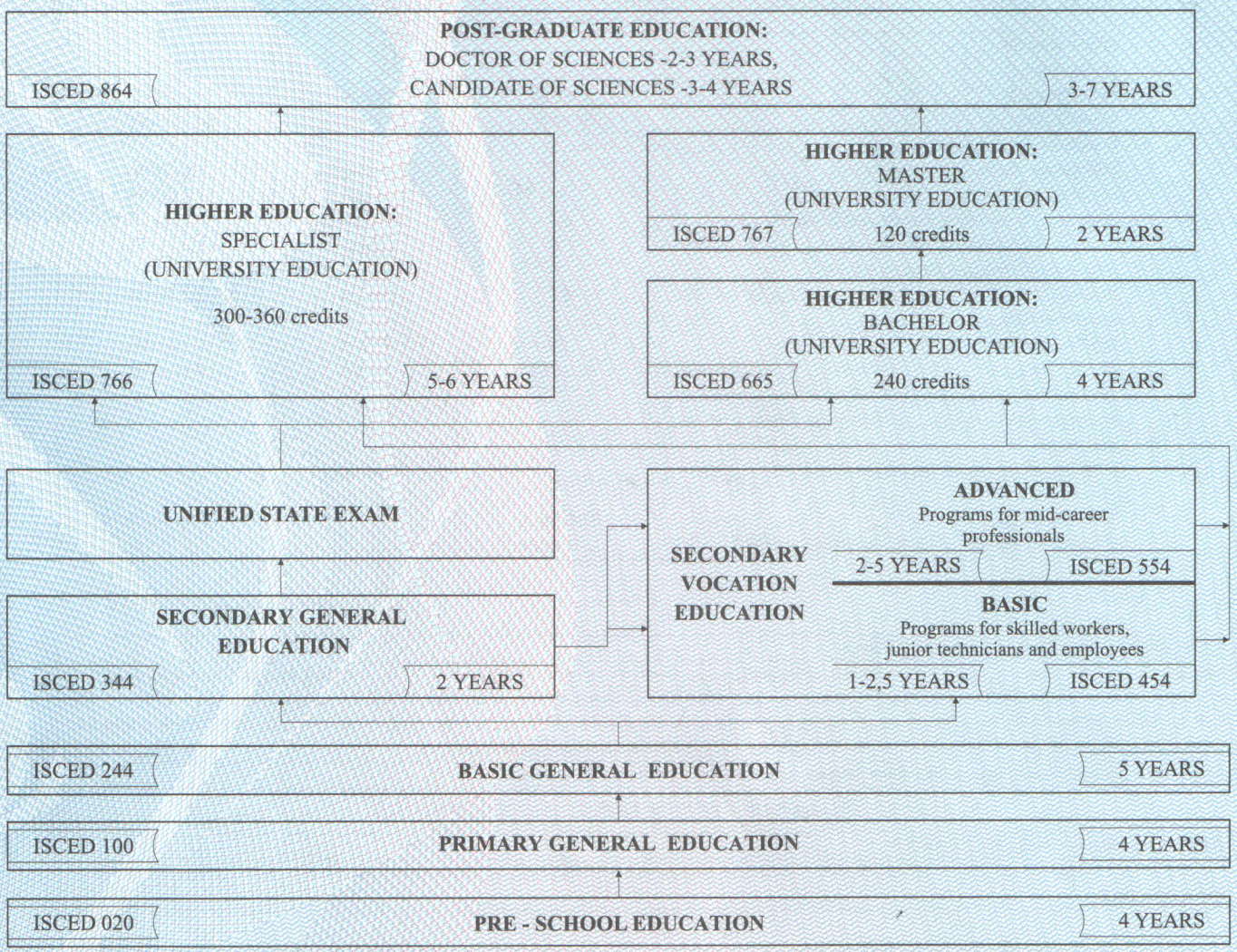
Head of International Educational Programs Department

Date

Official stamp / seal

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

Diagram of Russian education system



According to the Federal Law No. 273 «On Education in the Russian Federation» dated December 29, 2012, the education system consists of the following levels:

General education consists of four levels:

Pre-school education is provided by licensed institutions for children up to age 6 - 7 years, that is, before they enter formal school. Primary general education comprises grades 1-4, from the age of 7 to 10 years. Lower secondary education takes 5 years and comprises grades 5–9, from the age of 11 to 15 years. Upper secondary education takes two years (grades 10–11). Students complete secondary education at the age of 17-18 years.

All four levels of general education are provided on the basis of their own state standards. Secondary general education with 11 years of formal schooling is compulsory. On completion of upper secondary education (grade 11) a school leaving certificate is awarded. The name of this qualification is the Certificate of Secondary General Education *(Attestat o srednem obshchem obrazovanii)*.

The general secondary school study program is culminated with mandatory state final attestation of each graduate in the Russian language and mathematics, which is an obligatory part of the USE. Graduates who have successfully passed the Unified State Examination - USE in Russian language and mathematics are issued Certificates of Secondary General Education.

Technical and vocational education (srednee professionalnoe obrazovanie) offers training programs of two stages:

- first stage programmes: for skilled workers, junior technicians and employees;
- second stage programs: for mid-career professionals.

Graduates of technical and vocational education programs are awarded Diplomas.

Education institutions of the second stage vocational education are generally known as Technicums and Colleges. College can be independent educational institution or constituent part of HEI. It offers professional education programs of *basic* and *advanced* types. As a rule these programs are well coordinated with university level programs in the same field of study.

Higher education

There is the multilevel system of training of specialists with higher education in Russia and the following levels of higher education are set:

Bachelor degree (240 credit units) is conferred after a four-year course of study. *Bachelor* programs cover wide range fields of study. The function of *Bachelor* degree is to provide a more academically rather than professionally oriented education. *Bachelor* degree is a prerequisite for admission to Magister studies. State final attestation includes the defense of a thesis prepared over a period of four months and State final examinations. Following a successful attestation, a state Diploma is issued attesting conferral of *Bachelor* degree.

The qualification of ***Specialist Diploma*** (300-360 credit units) has two functions. It opens access to professional practice (e.g., to engineers, teachers, chemists, etc.), and it is also the traditional prerequisite for admission to doctoral studies likewise master's degree. The qualification of Specialist Diploma is conferred after studies lasting not less than five years. The diploma is awarded predominantly in technical fields of study (specialities). The State final attestation for a Specialist Diploma covers the defense of a project or a thesis and State final examinations.

Master program (120 credit units) is a two-year course focused more on research activities in comparison with Specialist program (up to 50% of student's workload). But above all, this is a profound analytical and practical training of professionals in a particular field of study and practice. State educational standard defines only general requirements for Master educational programs and not the requirements regarding the content of education. HEIs are free to make their own decisions regarding the contents of Master programs. The State final attestation for a Master degree covers the defense of a dissertation and State final examinations. Access to Master studies is open for holders of Bachelor degree. HEIs themselves set up admission procedures (examinations, interviews, etc.) for applicants. Those holders of HE degrees wishing to pursue Master program in different field of study must pass an additional tests which reflect the requirements for the chosen Master program.

Doctoral Programs. The hierarchy of advanced scientific degrees in Russia traditionally includes Doctor's degrees of two levels: Candidate of Sciences *(Kandidat Nauk)* and Doctor of Sciences *(Doktor Nauk)*. The Candidate of Sciences degree normally requires three years of study after the award of Specialist or Master degrees. The Doctor of Sciences degree can be earned after a period of further study following the award of the Candidate of Sciences degree. In reality, to earn a Doctor of Sciences degree requires five to fifteen years beyond the award of the Candidate of Sciences degree.

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