



Вологодская ГМХА
им. Н.В. Верещагина




SUMMARY REPORT

on public accreditation of the cluster of study
programmes

«Technological Machines and Equipment» (15.03.02,
15.04.02)

delivered by Vereshchagin Vologda State Dairy Farming
Academy



2019

While preparing this Summary Report we used information from the Self-Evaluation Report and the Report on the External Review of the cluster of study programmes «Technological Machines and Equipment» (15.03.02, 15.04.02) delivered by Vereshchagin Vologda State Dairy Farming Academy.

The presentation document for the use by the National Accreditation Board.

CONTENTS

General information on educational institution	4
Information about the study programmes undergoing accreditation.....	5
Achievements of the study programmes	7
External review panel	9
Compliance of the external review outcomes with the standards	11
Distribution digram of the external review outcomes.....	17
Conclusion of the external review panel	18
Schedule of the site visit of the external review panel	19

GENERAL INFORMATION ON EDUCATIONAL INSTITUTION

Full name of the educational institution	<i>Federal State Budgetary Educational Institution of Higher Education «Vereshchagin Vologda State Dairy Farming Academy»</i>
Founders	<i>Ministry of Agriculture of the Russian Federation</i>
Year of foundation	<i>1911 — Vologda Dairy Farming Institute 1934 — Vologda Agricultural Institute 1945 — Vologda Dairy Institute 1995 — Vologda State Dairy Farming Academy 1995 — Vereshchagin Vologda State Dairy Farming Academy 1996 — Vereshchagin Vologda State Dairy Farming Academy 1997 — State Educational Institution «Vereshchagin Vologda State Dairy Farming Academy» 2002 — Federal State Educational Institution of Higher Professional Education «Vereshchagin Vologda State Dairy Farming Academy» 2011 — Federal State Budgetary Educational Institution of Higher Professional Education «Vereshchagin Vologda State Dairy Farming Academy» 2014 — Federal State Budgetary Educational Institution of Higher Education «Vereshchagin Vologda State Dairy Farming Academy»</i>
Location	<i>2, Schmidt Str., Molochnoe, Vologda, Vologda Region, 160555</i>
Rector	<i>Nikolai Markov, Candidate of Engineering Sciences, Associate Professor</i>
License	<i>Series 90Л01 №8798 reg. № 1776 of 18.11.2015 permanent</i>
State accreditation	<i>Certificate of State Accreditation Series 90A01 № 1855, reg. №1762 of 16.03.2016 valid till 12.01.2021</i>
Number of students	<i>3217 of whom: 1491 are full-time students 272 are part-time students 1454 study in absentia</i>

INFORMATION ABOUT THE STUDY PROGRAMMES UNDERGOING ACCREDITATION

Educational programmes	<i>«Technological Machines and Equipment» (15.03.02), «Technological Machines and Equipment» (15.04.02)</i>
Level of training / Standard period of training	<i>Bachelor's Degree Programme / 4 years Master's Degree Programme / 2 years</i>
Structural subdivision (Head)	<i>Faculty of Technology (Vladimir Schevchuk, Candidate of Engineering Sciences, Associate Professor)</i>
Graduate departments (and their respective heads)	<i>Department of Production Equipment (Yulia Vinogradova, Candidate of Engineering Sciences, Associate Professor)</i>
Dates of Review	<i>May 21-23, 2019</i>
Person responsible for accreditation from the HEI	<i>Marina Prozorova, Candidate of Agricultural Sciences, Associate Professor, Head of the Department for Teaching and Guiding</i>

SAMPLING RESULTS OF THE PROJECT "THE BEST STUDY PROGRAMMES OF INNOVATIVE RUSSIA"

Indicators	2019
Cluster of the educational programmes «Technological Machines and Equipment» (15.03.02, 15.04.02)	
Number of the given programmes in the RF	267
Number of higher educational institutions to offer the given programmes	150
Number of programmes – winners of the project (% from total number of these programmes offered in the RF)	19 (7,2%)
Vologda Region	
Number of the given programmes offered in the region	4
Number of programmes – winners of the project (% from total number of these programmes offered in the region)	1 (25%)
Number of higher educational institutions and branches in the region	15
Total number of programmes offered in the region	153
Total number of programmes – winners of the project (% from total number of these programmes offered in the region)	10 (6,5%)

REFERENCE DATA ON STUDENT ENROLLMENT FOR PROGRAMME



ACHIEVEMENTS OF THE STUDY PROGRAMMES

Quality of implementing the study programme

The quality of the study programmes is provided by high qualification of the teaching staff and their research activities, development and continuous improvement of teaching and learning materials, and close cooperation with the association of employers. The Academy ranks 24th among 54 agrarian HEIs, according to the monitoring of agrarian HEIs of the Russian Federation.

Provision of up-to-date education

The up-to-date content of education is provided by annual renewal and correction of the study programmes, curricula and programmes of disciplines. The programmes are agreed with employers («Educational and Experimental Dairy Factory», «Severnoe Moloko», «Protamol», «Vologda Dairy Plant», «Svarog», «Nestle Russia», etc.).

Representatives of the Student Union cooperate with the Faculty administration that improves efficiency of the educational process. Clear criteria for evaluation of learning outcomes are available. The objective procedures for evaluation of learning outcomes are used.

Teaching staff

The teaching staff and their qualification correspond to the requirements. The number of teachers delivering the study programmes is 32 people, 30 of them (93%) have academic degrees, including 4 Doctors of Sciences (13 %).

During three years 100% of teachers improved their qualification. Involvement of practitioners («Vologda Ice Cream», «Vologda Dairy Plant», «Educational and Experimental Dairy Factory of Vereshchagin Vologda State Dairy Farming Academy») promotes practice-oriented training of students.

Independent assessment of student learning outcomes

The students participate and win grant competitions of the Federal Agency for Youth Affairs (2018), olympiads, and different competitions; they also participate in the Federal Internet Exam in Higher Education.

The «Examination Centre» of the Centre for Evaluation of Qualification under the Council for Professional Qualifications of the Agroindustrial Complex is established.

Educational resources

The Faculty of Technology is sufficiently provided with classrooms. There are multimedia classrooms for delivering lectures and seminars equipped with computer projection and audio systems. Rooms for independent work of students are provided with computer equipment with an access to the Internet. There are Laboratory of Chemistry, Laboratory of Physics, Laboratory of Production and Research of Milk

Products, Laboratory of Rheology. The students have a possibility to use modern equipment and experimental section of the factory. The library has computer classrooms for collective use with an access to the Internet. Financial resources allow the Academy to buy, maintain and use material and technical resources and equipment. The e-learning system «Educational Portal» developed on the basis of the Moodle system is used at the Academy.

Research activity

The teachers and students do research. In 2013-2018 the students participated in international, national and regional conferences (Vologda, Yekaterinburg, Kishinev, Sophia, Dushanbe, Astana, etc.). The results of research are used in the educational process and during organization of research work of students. Special attention is paid to publications in research journals. Five students won the III competition of research projects «My Strategy – My Future» held by the Department of Strategic Planning of the Vologda Region.

For 5 years the Department signed commercial agreements worth 18909.9 thousand rubles.

Academic mobility of students

Three foreign students from Tajikistan and Ukraine learn the programme «Technological Machines and Equipment». The Academy participates in different international exchange programmes (Germany, Belarus, Czech Republic, Uzbekistan), organizes and holds international conferences, seminars, webinars and online lectures.

Employability of graduates

The graduates are in demand on the labour market. The percentage of employed graduates is 79,2%.

EXTERNAL REVIEW PANEL



Sergei Antipov (Voronezh)

Review Chair, Russian expert

Doctor of Engineering Sciences, Professor, Advisor to the Rector's Office for Science, Head of the Department of Machines and Instruments of Food Production, Faculty of Food Machines and Automatic Devices, Voronezh State University of Engineering Technologies, Chair of the Voronezh Regional Branch of the International Academy of Refrigeration, member of the Committee Presidium of the Russian Union of Research and Engineering Public Organizations for the problems of drying and thermal moisture treatment of materials

A nominee of the Guild of Experts in Higher Education

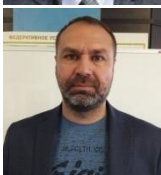


Aleksandr Tuvin (Ivanovo)

Deputy Review Chair, Russian expert

Doctor of Engineering Sciences, Associate Professor, Head of the Department of Technological Machines and Equipment, Ivanovo State Polytechnic University

A nominee of the Guild of Experts in Higher Education

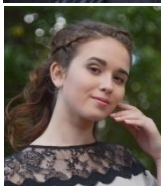


Igor Pokhmelkin (Vologda)

Panel member, representative of professional community

Executive of the LLC «Factory of Dairy Machines and Food Equipment»

A nominee of the LLC «Factory of Dairy Machines and Food Equipment»



Maria Vereschagina (Vologda)

Panel member, representative of students

3rd year student, Institute of Mechanical Engineering, Power Engineering and Transport, Vologda State University

A nominee of Vologda State University

INFORMATION ON THE LEADING TEACHERS OF THE EDUCATIONAL PROGRAMMES

Vladimir Schevchuk

Candidate of Engineering Sciences, Associate Professor, Dean of the Faculty of Technology, corresponding member of the International Academy of Refrigeration

Anna Gnezdilova

Doctor of Engineering Sciences, Professor, Department of Production Equipment

Evgenia Fialkova

Doctor of Engineering Sciences, Professor, Department of Production Equipment

Vladimir Shokhalov

Candidate of Engineering Sciences, Associate Professor, Department of Production Equipment, member of the Research and Technology Board of the Academy

Yulia Vinogradova

Candidate of Engineering Sciences, Associate Professor, Head of the Department of Production Equipment, member of the Academic Council and the Council of Young Scientists of the Academy

COMPLIANCE OF THE EXTERNAL REVIEW OUTCOMES WITH THE STANDARDS

STANDARD 1. Policy (goals, development strategy) and quality assurance procedures of a study programme

Compliance with the standard: **full compliance**

Good practice:

Quality policy and its purposes correspond to the development strategy of a modern higher education institution. Purposes and objectives of the cluster of study programmes comply with the Academy mission and long-term development programmes: «Strategy of Social and Economic Development of the Vologda region till 2030», «Staffing of the Agroindustrial Complex of the Russian Federation for 2017-2020».

The Department for Teaching and Guiding, Department for Organizing Student Practical Training and Graduates Employability, Faculty and Departments carry out internal monitoring and evaluation of education quality.

Areas for improvement:

The internal system of quality management should be improved taking into account practices of education quality management of subject-related HEIs, requirements of the Federal Educational and Methodological Association for the interrelated specialty group 15.00.00 «Mechanical Engineering» (expert group «Equipment for Food Production Facilities»).

STANDARD 2. Design and approval of programmes

Compliance with the standard: **full compliance**

Good practice:

The educational programmes correspond to the requirements, are subject-oriented and take into account regional demand for personnel in priority areas of development of the region.

The Centre of Education Quality Evaluation coordinates annual review and improvement of syllabi and programmes.

The Faculty of Technology regularly conducts survey on availability of learning materials, quality of teaching and content of courses.

Areas for improvement:

The Academy should regularly cooperate with students on correction of the content of working programmes of disciplines and develop corresponding regulatory documents.

Introduction of employers' recommendations to the content of study programmes and working programmes of disciplines connected with the use of new and innovative industrial technologies should be intensified.

STANDARD 3. Student-centred learning and assessment

Compliance with the standard: **full compliance**

Good practice:

The electronic information educational environment allows the teachers and students to cooperate via the system of distance learning Moodle.

The Academy participates in the project «Federal Internet Exam in Higher Education».

The students have a possibility to study according to an individual curriculum.

The «Examination Centre» of the Centre of Qualification Evaluation under the Council for Professional Qualifications of Agroindustrial Complex was established on the basis of the Academy to carry out independent evaluation of qualification of graduates of higher, vocational and further professional education and qualified experts of agroindustrial complex.

Areas for improvement:

The students should be involved in contract-based research with industrial enterprises of the region.

The methods of digital training (IT-technologies, multimedia technologies, 3D-technologies, etc.) should be used in the educational process and in writing graduation theses.

STANDARD 4. Student admission, support of academic achievements and graduation

Compliance with the standard: **full compliance**

Good practice:

The students show significant results at the national competition for the best research work.

Individual achievements of applicants are taken into account during admission campaign; students' portfolio is considered when defining scholarships.

The students can serve research internships in leading Russian and foreign research centres.

Areas for improvement:

The list of disciplines delivered in English should be extended to attract foreign students.

STANDARD 5. Teaching staff

Compliance with the standard: **full compliance**

Good practice:

The teaching staff is highly qualified; the academic degree holders' rate is 93%.

A competency-based approach is used in the educational process; training is carried out in simulation (practice-oriented) conditions.

Active cooperation with leading organizations of the region promotes practice-oriented training.

The Academy has a system of incentives for teachers that takes into account all kinds of work: educational, research, methodological, etc.

Areas for improvement:

Participation of the teachers in grant competitions of the Federal Target Programme, Russian Foundation for Basic Research, Russian Science Foundation and joint international projects and foreign internships should be extended.

Leading researchers from other educational institutions should be involved in the educational process.

STANDARD 6. Learning resources and student support

Compliance with the standard: **full compliance**

Good practice:

Modern equipment of the Educational and Experimental Dairy Factory is available in the educational process.

The students have an access to modern library and information resources. There are conditions for independent educational and research work. The academic buildings have a free access to the Internet.

Distance learning is in place. Further education is integrated in the basic educational process for knowledge enhancement and to acquire complementary competences.

The Academy ranks 1st in the nomination «The Best Educational Institution Organizing Work of Student Teams» in the Northwest region.

Areas for improvement:

Work on renewal of material and technical resources of the laboratories of basic disciplines should be continued.

The students should be informed about the results of evaluation of the conditions and organization of the study programmes.

STANDARD 7. Collection, analysis and use of information for managing the study programme

Compliance with the standard: **full compliance**

Good practice:

The students and the staff actively participate in collection and analysis of information for management of the study programmes.

The electronic information and educational system Moodle on the educational portal of the Academy contains updated educational courses of the disciplines.

The teaching and learning materials are available in the local network of the Academy. The teachers have a possibility to deliver online lectures.

Areas for improvement:

The system of copyright protection of graduation theses and teachers' materials at open access should be provided.

The Department of Production Equipment should develop networking cooperation with educational, research and industrial organizations, including the possibility of establishing new basic departments.

STANDARD 8. Public information

Compliance with the standard: **full compliance**

Good practice:

The public is informed through different communication channels: website, Internet, mass media, social networks, newspaper «Academgorodok», personal meetings as part of different events for information of all stakeholders.

The official website contain full and relevant information on activities of the Academy, expected learning outcomes, awarded qualifications, teaching, learning, evaluation procedures, admission scores and educational opportunities for students.

The Department for organization of practical training and employability support is in place.

The teachers are members of the International Academy of Refrigeration.

Areas for improvement:

It is recommended that information on demand and employability of graduates should be regularly published on the Academy website.

Cooperation with other educational institutions and professional communities on exchange of information and promotion of study programmes should be enhanced to inform the public of the region.

STANDARD 9. On-going monitoring and periodic review of programmes

Compliance with the standard: **full compliance**

Good practice:

The study programmes are annually updated.

The Academy analyzes regional requirements of the labour market, monitors employers feedback on quality of graduates training.

The student of the Faculty of Technology is an accredited student expert on state accreditation of educational activities as part of the joint project with the Russian non-governmental organization «Russian Youth Union» and she annually conducts survey of students on satisfaction with the conditions and content of education.

Areas for improvement:

The Academy should continue improving the mechanism of feedback from employers, subject-specific ministries and institutions on evaluation of study programmes.

STANDARD 10. Cyclical external quality assurance of study programmes

Compliance with the standard: **substantial compliance**

Good practice:

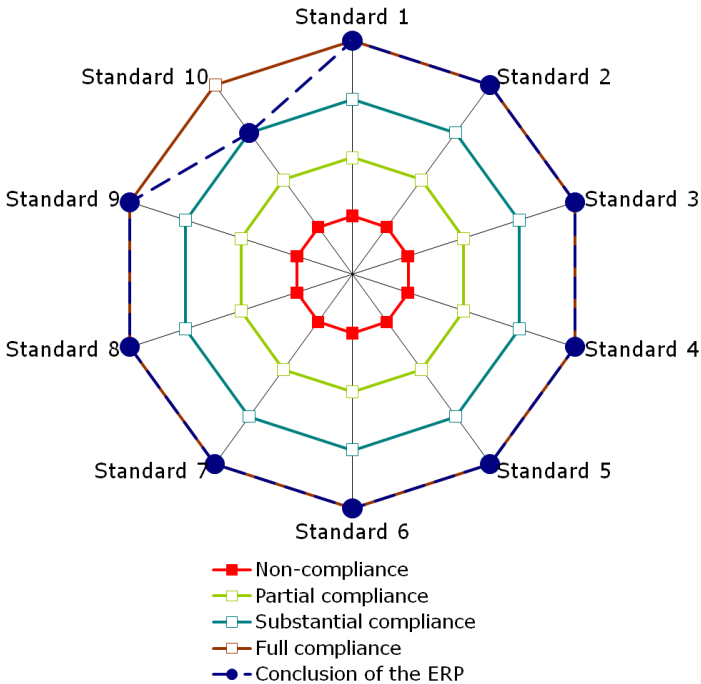
The Academy successfully passed the scheduled review of the Federal Service for Supervision in Education and Science and the procedure of state accreditation.

In 2017 the study programmes «Technological Machines and Equipment» became one of the best study programmes of higher education as part of the project «The Best Study Programmes of Innovative Russia».

Areas for improvement:

All stakeholders should be informed on the results of external review of study programmes in available forms. The Programme of corrective actions developed by the Academy following the results of this evaluation and its results should be made public.

DISTRIBUTION DIGRAM OF THE EXTERNAL REVIEW OUTCOMES



- Standard 1. Policy (goals, development strategy) and quality assurance procedures of a study programme
- Standard 2. Design and approval of programmes
- Standard 3. Student-centered learning and assessment
- Standard 4. Student admission, support of academic achievements and graduation
- Standard 5. Teaching staff
- Standard 6. Learning resources and student support
- Standard 7. Collection, analysis and use of information for managing the study programme
- Standard 8. Public information
- Standard 9. On-going monitoring and periodic review of programmes
- Standard 10. Cyclical external quality assurance of study programmes

CONCLUSION OF THE EXTERNAL REVIEW PANEL

Based on the self-evaluation report analysis, documents and data submitted the External Review Panel has come to the conclusion that the cluster of the study programmes «Technological Machines and Equipment» (15.03.02, 15.04.02) **fully** complies with the standards and criteria of public accreditation of the National Centre for Public Accreditation.

The External Review Panel recommends that the National Accreditation Board accredit the cluster of the study programmes «Technological Machines and Equipment» (15.03.02, 15.04.02) delivered by Vereshchagin Vologda State Dairy Farming Academy for the period of **six years**.

SCHEDULE OF THE SITE VISIT OF THE EXTERNAL REVIEW PANEL

Time	Activity	Participants	Venue
May 21, Tuesday			
08.00	Departure from the hotel "Vologda" to the Academy (8, Mira Str., Molochnoe)		92, Mira Str.
09.00 – 11.00	First meeting of the External Review Panel		Room 201, 8, Mira Str., Molochnoe
11.00 – 12.00	Meeting of the ERP with the University administration and people responsible for accreditation	Rector, Vice-Rectors, people responsible for accreditation, ERP	Room 201
12.00 – 13.30	Tour of the University (visiting library, experimental section of the "Uchebno-Opytnyi Zavod")	ERP	15, Pankratova Str. 6, Naberezhnaia Str.
13.30 – 14.30	Lunch		Dining Room "Vitiiaz"
14.30 – 15.30	Meeting with the representatives of the Department for Quality, Centre of Marketing and International Cooperation, Department of Students Internships and Graduates Employability	Heads of Subdivisions, ERP	Room 201
15.30 – 15.40	Break		
15.40 – 16.40	Meeting with Dean and Deputy Deans	Dean, Deputy Deans, ERP	Room 101
16.40 – 17.00	Work with documents	ERP	Room 307
17.00 – 18.00	Meeting with representatives of professional community	Employers, ERP	Room 100
18.00 – 18.30	Internal meeting of the Panel	ERP	Room 307
18.30	Departure from the Academy		

Time	Activity	Participants	Venue
May 22, Wednesday			
08.15	Departure from the hotel "Vologda" to the Academy (8, Mira Str., Molochnoe)		92, Mira Str.
09.00 – 09.50	Tour of the Building № 1 (Faculty of Technology), visiting classes (optional)	ERP	2, Shmidta Str., Molochnoe
09.50 – 10.50	Meeting with Head of Department,	Head of Department, ERP	Room 100
10.50 – 11.00	Break		
11.00 – 12.00	Meeting with teachers	Teachers, ERP	Room 100
12.00 – 13.00	Lunch		Dining Room "Vitiaz"
13.00 – 14.00	Meeting with students	Students, ERP	Room 100
14.00 – 16.00	Work with documents	ERP	Room 307
16.00 – 17.00	Meeting with graduates	Graduates, ERP	Room 100
17.00 – 18.30	Work with documents	ERP	Room 307
18.30	Departure from the Academy		
May 23, Thursday			
08.15 – 08.45	Departure from the hotel "Vologda" to the Academy (8, Mira Str., Molochnoe)		92, Mira Str.
09.00 – 12.00	Internal meeting of the Panel: discussion of preliminary results of the site visit, preparation of the oral report of the panel	ERP	Room 307, 8, Mira Str., Molochnoe
12.00 – 13.00	Closing meeting of the External Review Panel with the representatives of the University	ERP, University administration, Heads of the Graduate Departments, teachers, students	Room 201
13.00 – 14.00	Lunch		Dining Room "Vitiaz"
14.00	Departure		