



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

# REPORT

on the results of the work of the external expert commission for evaluation for compliance with the requirements of the standards of specialized accreditation of educational programs 1304000 "Computers and software (by types)"

0518000 "Accounting and audit (by industry)"

Public State Enterprise "Kostanay Construction College" of the Administration of Education of Akimat of Kostanay region

from "24" to "26" May 2018

Kostanay 2018

**INDEPENDENT AGENCY OF ACCREDITATION AND RATING**  
*External expert commission*

*Addressed to  
Accreditation  
advice of the IAAR*



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## **I LIST OF SYMBOLS AND ABBREVIATIONS**

EEC – external expert commission;  
SCSE - state compulsory standard of education;  
SPE - a state public enterprise;  
SI - state institution;  
ICT - information and communication technologies;  
IPW - engineering pedagogical workers;  
MES- Ministry of Education and Science;  
IAAR- an independent accreditation and rating agency; EP - educational program;  
TS - teaching staff;  
RK - Republic of Kazakhstan;  
WC- working curriculum;  
M - the media;  
LLP - limited liability partnership;  
TVE - technical and vocational education;  
SC- a standard curriculum;  
ICT - information and communication technologies;  
SYP - a school for a young pedagogue;  
EMC-educational-methodical complex;  
MSQ - management system and quality;  
KCC - Kostanay Construction College;  
EP - educational programs;  
SCC - subject-cycle commission;  
MTB - material and technical base;  
PTP - perspective-thematic plan;  
IT - industrial training;  
MPC-Military-patriotic club;  
AD-architectural department.

## **II) INTRODUCTION**

In accordance with the order No. 54-18-od dated 14.05.2018 of the Independent Agency for Accreditation and Ranking of the Kostanay State Construction Enterprise College of Education of the Akimat of Kostanay region, with the activity of the TVE, an external expert commission (EEC) visited. From May 24 to May 26, 2018, the educational programs were evaluated for specialty 1418000 "Architecture", qualification 1418023 "Technician-designer", specialty 0402000 "Design" (by profile), qualification 0402013 "Designer" to the standards of specialized accreditation of the IAAR.

The EEC report contains an assessment of the adequacy of the submitted educational programs of the organization of education to the criteria of the IAAR, the recommendation of the EEC for the further improvement of educational programs, and the profile of the educational programs in the Kostanay Construction College.

The composition of the EEC:

1. **Chairperson of the commission** - Malikova Marzhan Sabyrovna, Deputy Director for training and production work of SCUC "Almaty State Polytechnical College" (Almaty);
2. **Foreign expert** - Sosnin Vyacheslav Viktorovich, Director of the Center "Soyuz" (Omsk, Russian Federation);
3. **Expert** - Storozhenko Valery Vladimirovich, Deputy Director for Academic Affairs of Almaty College of Construction and Management (Almaty);
4. **Expert** - Kulikova Galiya Ravilievna, Deputy Director for training and production work of the State Enterprise "Polytechnic College" (Astana);
5. **Expert** - Salmingeeva Gulnar Khamitovna, Deputy Director for Academic Affairs of the State Educational Establishment "College of Agribusiness, p. Chaglinka of the Zerendinsky district "(Akmola region);
6. **Expert** - Tazhibayev Kuat Erezhepovich, Deputy Director for training and production work of SPE "Petropavlovsk Building and Economic College" (Petropavlovsk);
7. **Expert** - Averina Ilmira Gaptulkhanovna, teacher of special disciplines of the PGI "Machine-building college" (Petropavlovsk);
8. **The observer from the Agency** - Bekenova Dinara Kairbekovna, Head of the project on accreditation of organizations of TVE IAAR (Astana);
9. **The employer** - Zhanar Sagaybayevna Bayahanova, Chief HR Manager of RCCU-Kostanay LLP (Kostanay);
10. **Student** - Kudar Roman Anatolievich, 4th-year student in the specialty "Computer Science and Software", SPE "Kostanay College of Automobile Transport" (Kostanay).

### **(III) REPRESENTATION OF THE ORGANIZATION OF EDUCATION**

In accordance with the Decree of the Council of Ministers of the USSR from April 11, 1956 №. 1002, the Kustanay Construction College was established. The first graduation of technicians for industrial and civil construction was held in 1960. The educational institution for the years of its existence has passed several stages of reorganization. On the basis of the order of the head of the Kostanay Regional Administration of the Republic of Kazakhstan on May 21, 1992 №. 195-P, a new type of educational institution-VS-technical school is being created on the basis of the construction technical school and part of the base of SVS-4. By order of the regional department of public education №. 612 , August 25, 1992, VS-technical school was renamed into the construction lyceum № 1. By the order of the regional department of public education №312 from November 7, 1994, the building lyceum №. 1 was renamed into the construction lyceum-technical school. By the order of the Ministry of Education of the Republic of Kazakhstan No. 312 of December 11, 1995, the Kostanay Building Lyceum-Technical School was renamed into the Kostanay Construction College.

The activity of the state public enterprise "Kostanay Construction College" is carried out on the basis of state license №. 0161332 , July 13, 2012 in accordance with the Law of the RK "On Education" on July 27, 2007 №. 319- III, the Model Regulations for the Activities of Organizations of Technical and Vocational Education (further SCSE), approved by the Government of the Republic of Kazakhstan dated May 17, 2013, Order № 499, the State Obligatory Standard of Education for TVE (hereinafter referred to as the State Educational Standard), The State Program for the Development of Education and Science of the Republic of Kazakhstan for 2016-2019, the Law on the Languages of the Republic of Kazakhstan, and other normative and legal acts regulating the TVE system, as well as the Charter of the College.

The form of ownership is a public state enterprise.

Training of specialists is conducted on full-time and part-time forms of education, the languages of instruction are state, Russian languages.

The contingent of students for the academic year 2017-2018 is 956 students, 887 are full-time students. 881 students are trained on the state order, 75 students on a commercial basis.

In the college, dual training is provided for the specialty 1401000 "Construction and operation of buildings and structures" , qualifications 1401202 "Specialist for the dry method of construction", 1401012 "Mason".

For the organization of practical training contracts were concluded with 49 social partners. The main ones are LLP "Elena D", LLP "BK-STROY", LLP "Agrofirma" Irina and K ", LLP "Torgstroyontazh ", LLP" RSO Saulet ", LLP" RCCU-Kostanay ", LLP" Prestige Remstroy ", KF" Agromash Holding ", " Dostar-09 "LLP," Architecture and Town Planning Department of the Akimat of Kostanay ", " ColorSV "LLP.

With the purpose of training specialists "Construction and operation of buildings and structures" for the application of modern technologies in the field of dry construction method, the Resource Center "KNAUF Kostanay" operates on the basis of the college.

A student construction team operates to consolidate practical skills during the summer holidays, on the basis of the objects under the construction in the city.

In the educational process of the college training are employed, 76 teachers and 6 masters of production training, of which the percentage of teachers and masters of production training with the highest and first category is 43%. ( data on 01.10.2017).

The college was given the status of an experimental site for the introduction of distance educational technologies; multilingual education through the introduction of interdisciplinary integration in the teaching and educational process in the specialties "Construction and operation

of buildings and structures" and "Architecture".

According to the program "Serpin-2050" "Youth of the eternal country - industry" for replenishing the staff in the work-deficit regions of the republic, the college trained 23 construction technicians.

In order to improve the quality of education, the college cooperates with international educational institutions of higher professional education: the Ural State University of Railways and the Yekaterinburg Post, the Siberian State Automobile and Road Academy in Omsk, the Magnitogorsk State Technical University. G.I. Nosov, Magnitogorsk.

For training specialists there is a material and technical base: two buildings, 35 educational rooms, 1 laboratory and 8 training workshops, assembly and sports halls. The computer park of the college is 173 PC units. The educational process uses 8 computer classes, 114 computers. All computer classes are united by a local network, which allows you to conduct classes using information and network technologies. For students and teachers of the college is provided access to the Internet via a local network and wireless technology Wi-Fi.

For sports, there is a gym, a fitness center, a stadium. The college has a dining room, a library with a fund-83527 books, a first-aid post and a student hostel for 150 people.

There are four departments in the educational institution: - Construction, - Architectural, - Technical, - Department of distance learning and accounting.

The activity of the college is certified for compliance with ST RK ISO 9001-2009 "Quality management systems. Requirements "by the West Kazakhstan branch of the OPS JSC" National Center for Expertise and Certification ", April 24, 2015.

The college has an official website <http://strcol.kz/ru/>, which was recognized by the Department of Education of the Akimat of Kostanay region as the best among the sites of the educational organizations of the TVE by the results of 2017.

Normative terms of training in the following specialties:

1418000 "Architecture" (3 years 10 months, 2 years 10 months)

0402000 "Design" by profile (3 years 10 months).

Training is conducted in Russian, on full-time education, on a budgetary and commercial basis, on the basis of basic secondary education and general secondary education.

#### **(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE**

SPE "Kostanay Construction College" of the Administration of Education of Akimat of Kostanay region for the first time undergoes the procedure of specialized accreditation of TVE organizations.



## **(V) DESCRIPTION OF THE VISIT OF THE EEC**

The work of the EEC was carried out on the basis of the Program of the visit of the expert commission for specialized accreditation of educational programs in SPE "Kostanay Construction College" from May 24 to May 26, 2017.

In order to coordinate the work of the EEC in the college, an installation meeting took place, during which the powers were distributed among the members of the commission, the schedule of the visit was specified, and agreement was reached on the choice of methods of examination.

The meetings of the EEC with the target groups were held in accordance with the updated program of the visit, with observance of the established time period. On the part of the staff of the State Educational Establishment "Kostanay Construction College", all the persons indicated in the program of the visit were provided.

To obtain objective information about the quality of educational programs and the entire infrastructure of the college, clarifying the content of self-assessment reports, meetings were held: with the director, Deputy Director for Academic Work, Deputy Director for Fertility Work, Deputy Director for Training and Practical Work, Deputy Director for Information Technologies, Deputy Director for Administrative and Economic Work, Deputy Director for Scientific and Methodical Work, head of the academic unit, heads of the department, Head of Human Resources Department, Chief Accountant, Head of the Library, Nurse, Head of the Hostel, chairmen of subject-cycle commissions, Social Teacher, Psychologist, , teachers, masters of industrial training, students, graduates, employers, social workers, social partners and parents of students. Total, 268 people took part in the meetings.

**Chart 1 - Information on those who took part in meetings with the EEC**

<b>Category of participants</b>	<b>Amount</b>
Director	1
Deputy Director	6
Heads of the department	4
Chief Accountant	1
Head of Human Resources Department	1
Chairmen of subject-cycle commissions	7
Teachers, masters of industrial training	62
Employees	7
Students	108
Graduates	25
Employers, social partners	15
Parents of students	31
<b>Total</b>	<b>268</b>

During the work of the EEC, a visual inspection of the college infrastructure was carried out:

classrooms, computer classes, a library, a reading room, an assembly hall, production workshops, a gym, a fitness center, a hostel, a medical center, a canteen.

The documentation of the department implementing accredited educational programs has also been studied.

The bases of practices of specialty 1418000 "Architecture", group 323K 2 are visited.

During the visit to the practice base of "BK-STORY" LLP, 2-year students, consisting of 16 people according to the training schedule, practiced in this organization, under the supervision of the superintendent, Son Sergey Alekseevich and the master of industrial training from the



college, Raimkulov Adilbek Sartayevich.

LLP "BK-STROY" is a leading developer of housing, a contractor of design works, a performer of construction and installation, repair works in the city of Kostanay. Specialists of this organization train students in the future profession and pay great attention to labor education. The analysis of the practice base showed that the equipment of the construction site of "BK-STROY" LLP meets modern requirements. It is noteworthy that during the practice, students receive a salary of 50-60 thousand tenge, some students remain working during the summer holidays. Graduates of the last years who worked in "BK-STROY" LLP were represented: Yury Sergeevich Bairachny, the site's master, Jumagulov Erlan - the site's master, Balamenov Azamat Amantayevich - the bricklayer, Matyshev Yassau Narimanovich- the mason, Zernin Artem Marlenovich- the mason, Nam Alexander Valeryevich- mason.

The bases of practices of specialty 0402000 "Design" are visited.

While visiting the practice base of the "ColorSV" LLP, the director, Victor Alexeevich. Savochkin, briefed the EEC with the material and technical base of the organization, Viktor Alexeevich., noted that the theoretical and practical knowledge is obtained in the college, helps students in practical activities, but at the same time to work with clients, students do not lack of communication skills. Graduates of the last years who worked in "ColorSV" LLP Madjarov Madiyar, Alexander Kolmychenko, Romanov Vitaly-designers were represented.

The bases of practices of specialty 1418000 "Architecture" are visited.

During the visit to the LLP "Kostanayjobakurylys", the Director, Abdullin Serik Bagdatovich, noted that the theoretical and practical knowledge is obtained in the college, helped students in practical activities, and also introduced the EEC to the material and technical base of the organization, provided accompanying documents on practice. Graduates of the last years who worked in LLP "Kostanayjobakurylys" Nekmetzhanov Islam, Kozanova Polina, and Suenke Akbota were represented. A fourth-year student, Tanatkanov Baytursyn, after practice is accepted into the staff as a design technician.

Also, members of the EEC received a confirmation from employers that enterprises not only provide jobs for the period of industrial practice, but also part of enterprises participate in adjusting the content of working curricula and programs. The management of the enterprises provides qualified employees to participate in the qualification commission of the final qualifying examinations. Employees of the college are internships at enterprises.

EEC members attended training sessions on accredited educational programs. They attended practice of drawing by the group 328ARCH-2 specialty 1418000 "Architecture", on the topic "Drawings of plans, sections, facades of buildings." This practice was conducted by a teacher of the first category, Igor Alexandrovich Basenkov, 11 students from 11 were attended the lesson. The cabinet is equipped with visual training aids, posters. The programs fully corresponded to the individual plan. The students carried out a practical task on card assignments.

Practice on computer graphics of group 318ARCH-2s, specialty 1418000 "Architecture", on the topic "Development of the concept of premises" was attended. This practice was conducted by the teacher of the second category, Nadezhda Volkova, 10 students from 10 were attended the lesson. The cabinet is equipped with an interactive whiteboard. The programs are fully corresponded to the individual plan. Students performed practical tasks on laptops.

The members of the EEC visited the protection of the course project of second-year students on specialization 0402000 "Design", the discipline "Modeling". The students presented the draft model mock-ups to the commission member with a drawing.

The analysis of attendance attests to a good quality teaching staff, a sufficient theoretical level of education. In the classroom, teachers use modern teaching technologies.

Educational programs correspond to licensing and qualification requirements. The norms prescribed by law and described in the self-report of the college, during the visit to the EEC have been confirmed. The content of educational programs and educational technologies comply with the standards, adapted to the needs of the population and employers and are periodically updated

in accordance with changing conditions.

All conditions were created for the work of the EEC, access to all necessary information resources was organized.

As part of the planned program, recommendations for improving the activities of the college, developed by the EEC on the results of the examination, were presented at a meeting with the leadership of the college.

The activities planned within the framework of the visit allowed the members of the EEC IAAR to conduct an independent assessment of the compliance of the data set out in the self-assessment reports of the college with the criteria for institutional accreditation standards.

Detailed analysis of the compliance of the activities of the college The standards of institutional accreditation of the Independent Accreditation and Rating Agency allowed the EEC to make the following conclusions in the context of the standards in the framework of the College Visit Program.

## **(VI) CONFORMITY TO THE SPECIALIZED ACCREDITATION STANDARDS**

### *6.1. Standard "Management of the educational program"*

Management and implementation of educational programs further (OP) for specialties 1304000 "Computer technology and software (by type)", qualification 130404 3 - programmer-technician, 0518000 "Accounting and audit (by industry)", qualification 051803 3 -economist-accountant , on the basis of State License No. 0161332 of 13.07.2012 and normative legal acts of the Republic of Kazakhstan.

The plan for the development of educational programs "Computer technology and software (by types)" and "Accounting and audit (by industry)" is aimed at meeting the needs of the state, interested persons and students.

The plan for the development of educational programs is provided with the necessary financial, information, labor, material and technical resources, as well as the needs of the market.

The implementation of educational programs "Computer technology and software (by types)", "Accounting and audit (by industry)" is carried out in accordance with the principles of sustainability, efficiency, effectiveness, transparency, responsibility, delegation of authority and independence of the financing system.

Management of educational programs is considered as management of business processes.

Business process "Management of EP" consists of three components:

- Planning of educational activity;

- directly educational process;

- control for educational activities in order to determine areas for improving the training of mid-level professionals.

Management of educational programs is carried out at the administrative level and the level of methodical associations. At the level of the administration of the college (deputy directors for educational, training, production and educational work and information technologies), strategic planning, information, educational, methodical, material and financial support for the implementation of educational programs are being addressed. Subject-cyclic commission of teachers of this cluster develops working curricula, working curricula, methodological support of the educational process, organizes extra-curricular work with students, conducting intermediate and final attestations. Openness and transparency of the

management system is ensured by the availability of information on the leaders and structure of the college, on decisions taken by collegial bodies, on important events through the college's website, and posting at various information stands.

*Experts* EEC note that in the college the optimal system of management and definition of responsible persons is formed. The implementation of educational programs, the correspondence of their mission, vision and strategy is ensured, first of all, through the planning system by using the following planning mechanisms:

- general priority directions and strategic goals for program development are allocated to the management of long-term planning;
- Short-term planning is reflected in the internal control plan and in the work plans of the structural units. Plans for offices and subject-cycle commissions contain terms for the implementation of activities, responsible persons and the column "Execution mark".

At the individual level, planning is represented by individual teacher plans.

In general, the educational process is aimed at the formation of the basic and professional competencies of the technician - programmer and economist-accountant.

The training sessions are aimed at building competences, skills by performing practical-oriented tasks using interactive teaching methods.

To ensure openness and accessibility of information about the activities of the college, as well as to provide communication with parents, students, entrants, social partners, employers, the public, a Web site of the college was created, an email address: str\_col@mail.ru. The materials posted on the Web site reflect all areas of the college activity, strategic directions of its development. To provide feedback functions on the site there is a director's blog, a feedback form, as well as contact information and requisites. The site contains information about specialties, admission rules, schedules of the educational process, as well as legal documents, information about the history of the college, news feed, etc. Participants of the interview, students gr. 314 UA, graduates 2017-2018 academic year are difficult to answer about the dates of the final state certification.

An anonymous questionnaire survey conducted by the teachers at the IAAR showed that most of the teachers noted the mission and the strategy of the college reflected in the training programs - "very good" - 52 people, which amounted to 73.2% and "good" -18 people, this is 25.4%.

Student questioning, conducted during the visit of the IAAR EEC, showed that:

- the level of accessibility and responsiveness of college management, 98.8% are completely satisfied;
- the overall quality of the curriculum is fully satisfied -90.1%;
- methods of training as a whole are fully satisfied -91.4%;
- The quality of teaching is completely satisfied - 92.6%.

Analyze the work on the standard "Management of the educational program", it can be noted that the educational program is implemented in accordance with the regulatory legal acts of the Republic of Kazakhstan.

**EEC notes that the educational institution for this standard focuses on the following items:**

- the organization of the TVE demonstrates the development of the EP development plan, its focus on meeting the needs of the state, stakeholders and trainees;
- The organization of TVE involves representatives of stakeholder groups, including students, teachers and employers, in the development of an EP development plan;

- the organization of the TVE demonstrates the transparency of the processes of forming the development plan for the EP. The organization of TVE ensures the awareness of stakeholders about the content of the development plan for the EP and the processes of its formation;
- the development plan for the EP is being publicly discussed with representatives of all stakeholders, on the basis of proposals and amendments, the authorized collegial body of the TVE organization is making changes to the draft;
- the organization of TVE demonstrates a clear definition of those responsible for business processes, an unambiguous distribution of the duties of the staff, the delineation of the functions of collegial bodies participating in the implementation of the EP;
- the management of the EP presents evidence of transparency in the management of the educational program;
- the leadership of the EP demonstrates evidence of openness and accessibility for students, teachers, parents.

**In order to further develop and improve the activity of the college in the implementation of accredited educational programs, the EEC recommends:**

- continue work to improve the quality of the educational process, taking into account the current quality management system and the strategic plan for the development of the college.

**EEC notes that the specialized college profile for this standard contains 7-strong, 14-satisfactory and 1-suggests improvements.**

#### *6.2. Standard "Specificity of the educational program"*

Educational programs in the specialties "Computer technology and software (by types)" and "Accounting and audit (by industry)" regulate the objectives, expected results, content, conditions for the implementation of the educational process, development of personal trainees.

Educational programs in the specialties "Computer Science and Software (by types)" and "Accounting and Audit (by industry)" were developed in accordance with standard curricula. Working curricula for the specialties "Computer technology and software (by types)" and "Accounting and audit (by industry)" were coordinated with the Director of the State Scientific and Methodological Center of Technical and Vocational Education and approved by the Director of KSTU Kostanay Construction College. In the working curriculum, the total amount of study time for courses and semesters and a list of the names of subjects studied in general education, general humanities, social and economic, general professional and special disciplines, professional practice, and all types of attestation of students are preserved. Disciplines defined by the organization of education in the specialty "Computer technology and software (by types)" defined the discipline "Configuration 1 C", specializing in "Accounting and audit (by industry)" - "Fundamentals of the budget". With the 2017-2018 academic year, training in the specialty "Computer Science and Software (by type)" is conducted on the basis of a modular-competence approach in the experimental mode. The experts of the WEC got acquainted with the experimental working curriculum developed for group 335 of the VTiPO, which was coordinated with the Chairman of the Council on the experimental programs of the Administration of Education of the Akimat of Kostanay region O. Kiseleva and was approved by the director of the college A.Shamshin. In the curriculum the intersubject communication is sifted.



Working curricula, calendar-thematic plans developed by the teachers of the college, were considered at the meetings of subject cycle commissions and approved by the deputy director of the college for academic work.

*EEC experts note* that when developing working curricula in the specialty "Accounting and Audit (by industry)" take into account the mission, the strategic direction of the development of the college. For example, in the subject of "Financial Accounting", along with studying the organization of accounting in construction (5 hours), there are topics for organizing accounting in other sectors: agriculture (4 hours), tourism (4 hours), vehicles (4 hours), public catering and trade for 2 hours.

In 2016-2017 academic year, an elective course "Fundamentals of Entrepreneurship" was introduced. The development of educational programs takes into account the recommendations of the chairmen of the certification examination boards, the National Chamber of Entrepreneurs "Atameken", employers.

In the KSTU "Kostanay Construction College" training of students in the specialties 1304000 "Computer technology and software (by types)", qualification 130404 3 - a technician programmer and 0518000 "Accounting and audit (by industry)", qualification 051803 3 -Economist-accountant is carried out in Russian.

Monitoring of the achievements of students is carried out by teachers and chairpersons of subject-cycle commissions in the following areas:

- monthly and on the basis of the results of the 1st and 2nd semesters - the monitoring of students' progress, the results of which are discussed at the meetings of the subject-cycle commissions and at the meetings of the deputy director for academic work;

- Approval of students.

Monthly monitoring results are considered by the head of the department Seichanova D.G., and on the basis of the results of the training semesters - at the meetings of the pedagogical council.

The planning of places of professional practice, the conclusion of contracts and the monitoring of the passage of industrial training and professional practice is carried out by the deputy director for training and production work Simikina T.N.

Students on the specialty "Accounting and audit (by industry)" are trained in the college, and professional practices in the accounting department of JSC Kazpost, LLP supermarket "Solnechny", LLP "Agrotechmash", JSC "Aluminum Kazakhstan" KBRU, LLP "Aydana", MOO "Syl" and others. For the specialty "Computer technology and software (by types)": JSC Kazakhtelecom, IP Bukharov, LLP "Trade House Building Materials", LLP "Inersia", etc.

Teachers of general professional and special disciplines participate in various international, republican and regional competitions and events.

All printed publications, electronic teaching aids and methodological development of teachers are actively used in the educational process.

Student questioning conducted during the visit of the IAAR EEC showed that:

- the level of implementation of the rules and strategies of the educational program (specialty) -88.2%;

- formation of requirements in order to successfully complete this specialty-90.9%;

- formation of students about courses, educational programs, and academic degrees-85.5%.

Thus, it can be noted that specialties 1304000 "Computer equipment and software (by types) and 0518000" Accounting and audit (by industry) " fully meet the mandatory requirements of this standard.

**EEC notes that the educational institution for this standard focuses on the following items:**

- the organization of TVE demonstrates the existence of developed models of the graduate of the educational program, including knowledge, skills, basic and professional competencies, personal qualities;
- the leadership of the EP demonstrates the availability of a professional context in the content of the training disciplines;
- the leadership of the EP demonstrates the existence of an effective balance between theoretical and practice-oriented disciplines;
- the management of the EP ensures the availability and effective functioning of the system of individual assistance and counseling of students on the issues of the educational process;
- management creates conditions for effective development of the EP;
- the leadership demonstrates individual support for students in the implementation of the EP;
- the leadership of the EP proves the availability of a monitoring system for the achievements of students;
- the management of the EP conducts diagnostics of knowledge, abilities and skills that are learned at the beginning of the training course in the study of academic disciplines;
- the leadership of the EP ensures the formation of the students' skills for continuing education at the following educational levels.

**In order to further develop and improve the activity of the college in the implementation of accredited educational programs, the EEC recommends:**

- systematize the work on updating the content and analyzing the effectiveness of changes in educational programs, taking into account the interests of employers.

**EEC notes that the specialized college profile for this standard contains 9-strong, 13-satisfactory and 2-presupposed improvements.**

### *6.3. Standard "Pedagogical collective and teaching effectiveness"*

As of September 1, 2017, the teaching staff of the Kostanay Construction College of educational programs of specialties 1304000 "Computer equipment and software (by types)" and 0518000 "Accounting and audit (by industry)" is fully staffed by full-time teachers. The number of teachers is 36 people.

Teachers of educational programs in specialties 1304000 and 0518000 and are working on the issues of training specialists, in demand on the labor market. For the implementation of educational programs 1304000 and 0518000 specialists are employed, working in existing enterprises and organizations, the following forms of interaction are used:

- Round table with employers, social partners - graduates of Kostanay Construction College of different generations (report on the college website);
- participation in the development of working curricula;

- During the lessons of the faculty "Basics of Entrepreneurship" meetings with employees of the National Chamber of Entrepreneurs "Atameken" (reports on the college website);
- training of enterprises.

The pedagogical collective of educational programs "Computer technology and software (by types)" and "Accounting and audit (by industry)" successfully uses pedagogical innovations in its activities.

In the classroom, and in extra-curricular work with students, digital educational resources, e-learning aids are used, business situations are solved and analyzed, business games are conducted, immersion in professional activities is carried out, coursework is carried out, individual and group tasks for collecting and analyzing statistical data on the activities of the enterprise.

In order to increase the effectiveness of the implementation of the OP in the educational process, experts from the production are involved: Istudinova AA (economist KGKP "Russian Regional Drama Theater"), Seichanov E.S. (the head of the maintenance department of digital lines of JSC Kazakhtelecom), etc.

Since September 1, 2016 in the college are conducted elective classes "Basics of Entrepreneurship" in the graduating groups. When recruiting beginner teachers, a mentor is defined. The job description of the teacher of the college defines qualification requirements, rights, job duties and responsibility for their implementation.

The management of educational programs 1304000 and 0518000 monitors the activities of the teaching staff with a view to systematically assessing the competencies of teachers and a comprehensive assessment of the quality of teaching:

- monthly and on the basis of each semester monitoring of the quality of knowledge of students in all academic disciplines and for each teacher;
- attendance of training sessions and extracurricular activities;
- On the basis of the semester, the teachers compile reports on the methodological work and on the results of the examination of the competencies formed among the students;
- Based on the results of the academic year, the rating of teachers is held according to the regulations.

In the college, purposeful actions are carried out to develop beginner teachers. There is a school of a young teacher, and practice of mentoring is practiced. In the college, work is well done to improve the skills of the teaching staff in order to continuously improve the professional skills of teachers. Methodist Zhamanbaeva KM makes a timely plan for this work.

The main areas of professional development are:

- training at distance courses of the Institute of Additional Education "DAMU";
- training at the courses of the NJSC "Holding" Kusipchor ";
- exchange of experience in the mutual sharing of training sessions and extracurricular activities, at meetings of methodological associations, methodological and pedagogical councils, in conducting annual pedagogical readings, summarizing the experience of teachers within the college and at the regional level.

The management of educational programs monitors the satisfaction of the teaching staff with the working conditions, the quality of the training of the students, the educational infrastructure, that is, everything that affects the quality of education.

The college has a system of moral and material incentives for teachers.



Teachers are constantly improving their skills in using information technology in their activities.

With the purpose of promoting a healthy lifestyle, popularization of physical culture classes, college staff attend sports sections, the "Health Day" is held annually. Winners are awarded with diplomas. Carrying out such events promotes team building, shows the level of physical preparedness of employees.

I analyze the work on the standard "Teaching staff and the effectiveness of teaching" experts EEC note that the staff is in line with the qualification requirements for licensing educational activities.

The questionnaires of teachers, conducted during the visit of the EEC of the IAAR, showed that:

-college provides an opportunity for the continuous development of the potential of IPR - "very good" -40.8% and "good" -57.7%;

- assess the involvement of IPR in the process of making managerial and strategic decisions - "very good" -39.4% and "good" -59.2%;

-assess the availability of guidance to teachers-"very good" -76.1% and "good" -23.9%;

-the attention of the management of the educational institution to the content of the educational program is "very good" -62% and "good" -36.6%.

**EEC notes that the educational institution for this standard focuses on the following items:**

- the organization of TVE demonstrates the availability of information about the pedagogical collective for the public;

- The workload of teachers includes various activities. The management of the EP demonstrates the evidence of the teachers' fulfillment of all types of planned workload;

- the leadership of the EP provides targeted actions for the development of young teachers;

- The pedagogical collective actively participates in the life of society.

**In order to further develop and improve the activity of the college in the implementation of accredited educational programs, the EEC recommends:**

- update the plan for the internships of the pedagogical and management staff of the college;

- consider the possibility of increasing the share of practitioners involved in the teaching process for teaching special disciplines and conducting master classes, seminars, etc.

**EEC notes that the specialized profile of the college in this standard contains 4-strong, 5-satisfactory, 2- suggest improvements.**

#### *6.4. Standard "Learners"*

Training of specialists in the specialties "Computer technology and software (by types)" and "Accounting and audit (by industry)" is conducted on the basis of basic secondary and general secondary education, full time education, on the basis of the State Educational Order and paid basis.

In "Kostanay Construction College" there is a policy of forming a contingent of students, on the basis of "Typical rules of admission to the organization of education."

Annually the plan of reception and the plan of measures on the organization of career guidance work for the forthcoming academic year is approved.

With the students of the first year in the college, it is practiced to conduct an entrance control in basic general subjects (mathematics, physics, Kazakh and English) to correct curriculum. For the new set, information meetings are held to familiarize themselves with the internal regulations and other guidance documents.

On the website of the college there are contacts of services and organizations that provide support and assistance to children who find themselves in a difficult life situation.

The academic policy of training mid-level specialists in accredited specialties is aimed at ensuring the quality of the educational process and taking into account the interests of students who are the main participants in the implementation of educational programs. It includes: the procedure for registration of attendance by students of training sessions; conducting current, intermediate and final controls in order to assess students' knowledge; the organization of the passage by trainees of all types of practices; assigning scholarships to students; rules of transfer, restoration, deductions of students; final certification, etc. Admission (transfer) of students from other TVE organizations is carried out in accordance with the "Rules for the transfer and rehabilitation of students by types of organization of education", approved by the order of the Minister of Education and Science of the Republic of Kazakhstan MES RK of January 20, 2015 No. 19.

The college has developed a system of internal monitoring, covering all participants of the educational process: students, teachers, curators, administration.

The final certification of students in the college is carried out within the timeframes stipulated by the schedule of the educational process and the RUE in the form defined by the State Educational Standards and TU. The schedule of final certification of graduation groups is approved by the director of the college one month before the beginning.

The final certification of students in specialty 0518000 "Accounting and audit" (by industry) is conducted in the form of passing final examinations in special disciplines orally, in specialty 1304000 "Computer technology and software (by types)" in the form of protection of diploma projects. The composition of the commission is approved by the director of the college one month before the beginning of the final attestation. The chairman of the qualification commission is appointed from among representatives of enterprises of social partners.

An important factor in the professional activities and employment of graduates is monitoring, which involves the extensive use of modern information technologies and methods at all these stages (sociological survey, observation, analysis of employment documents, visits to social partners). Monitoring data are used for internal analysis of professional activities of graduates. Monitoring of the employment of graduates is made on the basis of provided certificates from work places, for each graduate by family, by specialty and on the basis of the information provided by the SCPP. Information on the employment of graduates is posted on the college's website.

Throughout the academic year, in order to effectively employ graduates, a number of activities are carried out: meetings, round tables, conferences, master classes, auctions. Representatives of social partners, college graduates are invited to these events. Communication with graduates is supported through the organization of meetings, where they share their work experience, successes, discuss topical issues of concern to today's alumni, give practical advice.

The events are covered on the college's website, in the media. To attract and interest of employers, to facilitate the employment of students on the college's website, students and alumni are accommodated.

Research work is one of the determining factors for the development of Kostanay Construction College. It has a special impact on the quality of teaching, promotes professional growth, provides a link between learning and modern science. To improve the quality of training, development of scientific and technical potential of students in the college, the student scientific society "Zerek" functions, whose members are active participants in conferences of various levels.

Annually, the college conducts the final scientific and practical conference with the participation of schools in Kostanay, where the students present their research work in various areas: from the use of information technologies in the development of college management systems, the digitalization of public transport, the unemployment problem in Kostanay region, the analysis of economic reforms to Research of computer vision as the newest technology in information security.

The research work of the participants is evaluated by the teaching staff of higher educational institutions, employers, and others.

Support of gifted students in the college is carried out through participation in subject Olympiads, competitions, conferences of various levels, awarding of the best students, placement at the stand "Our honors pupils".

Students of the college realize their creative potential in choreographic, vocal circles, circles of robotics, programming, network technologies, KVN, military-patriotic club "Typhoon".

Within the framework of the implementation of the State program Digital Kazakhstan to improve the conditions for rendering the Invataxi service, in order to optimize the process of accepting orders from persons with disabilities, increasing the degree of satisfaction of disabled students in the specialty 1304000 computers and software (by types) service.

The "Digital Development Center" was presented at the college, where students are working on innovative projects: cloud protection of data from DDoS attacks, the introduction of QR codes into social spheres, and the development of a biometric system that allows a computer to recognize gestures. Students work on five projects for specific organizations: the online service "Invataxi", for people with disabilities; site for the public association "StopAutism" with all the necessary functionality; virtual 3D-tour for Kostanay regional museum of local lore; program complex for calculating the cost of production of cereal crops for LLP "NurToba"; for the State Institution "Veterinary Administration of Akimat of Kostanay region" an electronic map is being developed to inform the population of the epizootic situation in the region.

In the regional festival of robotics and automation "Science and Technology" organized by the Administration of Education of the Akimat of Kostanay region with the assistance of the "Kazakhstan Federation of Sports and Educational Robotics KazRobotics", students Turchenko Vladislav, Shakun Ivan (head Seichanova D.G.) with the project "Elements" smart "home" took the first place, Ryumin Maxim (head Seichanova D.G.) with the research project "Machine vision systems as a promising branch in the development of science in Kazakhstan" 3rd place (April, 2018).

Students take an active part in projects and competitions at various levels. Studying Ryumin Maxim is the winner of the republican stage of the international Olympiad "IT-Planet 2016/17". All competitions within the nominations of this Olympiad have a practical focus, which allows participants to better understand the needs of employers, get acquainted with representatives of the largest ICT companies and take the first steps towards their successful

career. Such international leaders of the IT market as 1C, Cisco, Huawei, Intel, InterSystems, Oracle, SKB Kontur, GNU / Linux Center and other leading players of the ICT market acted as partners and organizers of the contests of the jubilee IT-Olympiad. As a finalist, Maxim took part in the decisive stage of the Olympics - the International Finals in Sochi on the basis of the Russian International Olympic University with the project "Smart House".

In the 2017-2018 academic year student Ryumin M. took first place in the international standings and 1 place in the republic in the second stage of distance competitions "IT-Planet 2017/18".

Students of the 3rd course of the accredited educational program took part in the HakatonHumanRightsDay project, organized by the Public Foundation "Erikindikanaty" with the support of the Embassy of the Kingdom of the Netherlands in Kazakhstan and representatives of the Soros-Kazakhstan Foundation. As a result of the event, the student Yermagambetov Zhandos took 2nd place and received a certificate for 300,000 tenge, Astapenko Artem interested foreign representatives in the field of information security, received an invitation to work and an opportunity to pass production practice in the USA (December, 2017).

Students of the EP participate in the regional championship "WorldSkills Kostanay" among students of technical and vocational education organizations of Kostanay region. Student Kalimbah Oleg participates in the second year in the competence of "Web Design" and takes the prize-winning 3 place. Students Karimov Shafais and Madyarov Valeriy took 3rd place in the competences "Network and system administration".

In the college there is a system of stimulating and encouraging students to award certificates, valuable gifts. For excellent studies and active student activities, students' photos are displayed at the stands "Our Honors", "Our Activists".

The college successfully operates student self-government, there is a feedback system, which includes the rapid presentation of information on the evaluation of learning outcomes.

In college, the administration regularly meets with the students of the college, thanks to which it is possible to make proposals for improving the conditions of the educational process.

Much attention is paid to educational work, which is aimed at fostering morality, national patriotism, and a healthy lifestyle. Educational work is carried out by curators who are appointed at the beginning of the school year.

The Kostanay Construction College monitors the students' satisfaction with the activities of the educational institution.

Among the social services provided by the college for all categories of students are:

- free medical services in the medical station of the college;
- free use of the library fund and reading room;
- free classes in the circles and clubs of the college;
- free access to sports sections.

Relations between students and teaching staff are characterized by clarity and transparency of requirements, both to the level of educational achievements and to control procedures, as well as the availability of "feedback" to students, the availability of results and their analysis for all stakeholders (academic journals, progress sheets, books).

The questionnaire survey conducted by the teachers during the visit of the IAAR EEC showed that:

-support for educational materials in the process of education, is fully satisfied-87.7%, in part-11.1%;



-accessibility of counseling on personal issues - fully satisfied-90.1%, partially-7.4%;  
-level of accessibility of library resources-completely satisfied-90.1%, partly-9.9%;  
-the quality of services rendered in libraries and reading rooms is fully satisfied-95.1%, partially-4.9%;

**EEC notes that the educational institution for this standard focuses on the following items:**

- the leadership of the EP demonstrates the policy of forming a contingent of students of the EP and the transparency of its procedures;
- availability of a program to support gifted students;
- the leadership of the EP provides an opportunity for students to exchange and express opinions;
- availability of a monitoring mechanism for students' satisfaction with the activities of the TVE organization as a whole and individual services in particular;
- the management of the EP demonstrates the functioning of the feedback system, which includes the prompt presentation of information on the results of evaluation of learning outcomes.

**In order to further develop and improve the activity of the college in the implementation of accredited educational programs, the EEC recommends:**

- Develop a mechanism for encouraging students to self-education outside the main program (in the framework of non-educational activities);
- provide for the certification of students (Python, C #, etc.).

**EEC notes that the specialized college profile for this standard contains 5-strong, 4-satisfactory, 1-suggest improvements.**

#### *6.5. The standard "Resources used in the implementation of educational programs"*

An important factor in ensuring quality education is the continuous improvement of the material and technical base and information resources.

KSKP "Kostanai Construction College" has the necessary resources for the implementation of accredited educational programs "Computer Science and Software (by types)" and "Accounting and Audit (by industry)".

To conduct educational activities in these specialties, 5 specialized classrooms are provided.

For sports, there is a gym, a gym, a stadium. The college has a dining room, a library, a medical center and a hostel for 150 people. In each office where computers are installed, software for students specializing in "Computer Science and Software", "Accounting and Audit" was installed: OS Windows, Linux, MicrosoftOffice, BorlandDelphi 7, Borland C11, AdobePhotoshop, CorelDraw, NortonCommander, TurboPascal, MacroMediaFlash, CiscoPacketTracer, AutoCAD, ArchiCAD, 3DS Max, SANA, 1C Accounting, etc. During extra-curricular time, students are given access to educational Internet resources in computer labs and libraries.

All buildings of the college are equipped with fire extinguishing means: fire extinguishers, fire alarm and warning systems, video surveillance. Teachers conduct safety training magazines for briefing, who study in the offices and when working with the PC and equipment instruct. Computer cabinets are equipped with a fire extinguisher and a reminder for working with it. Every year, work is carried out on object training.

The educational-material and social base meets the necessary requirements for training specialists in accordance with the rules of safe work organization; the availability of the audit fund provides the opportunity to implement the curricula and programs provided for in the standard curriculum.

For prompt information to the public and stakeholders in the lobby, a sensory information kiosk is located on the first floor of the college, where students, students, teachers, as well as college visitors can get acquainted with news, information on specialties, admission conditions, standards and regulations for public services, novelties in the library, etc. with various background information.

Annually, a public procurement plan is prepared for the acquisition and renovation of the material and technical base, as well as the library fund, educational and methodological association and other information resources, for which the accounting department of the college purchases.

The college has all the conditions for obtaining free access to educational resources available on the college's website and library outside of the hour. The website of the college has links for the participation of students and teachers in various professional competitions, olympiads (for example, Wordskills, IT-planet, Neupusti.net, Foxford and StartUp projects, training courses for teachers, as well as career guidance and motivation of students assisting choice and achievement of career paths. Also on the college's website is a graduate model and the competencies that he must possess.

To implement the EP there is a library:

- The total area of the library is 291.7 m<sup>2</sup>
- All information space of the library is divided into three zones: a reading room (for 32 seats), a subscription (educational, methodical, art and reference books - 83 527 copies), a computer information zone in which there are 3 computers connected to the local network.
- The total volume of the fund is 83 527 copies, including 2694 copies in the state language.

To the services of students and teachers of the college databases of DB "Electronic catalog", DB "Заң" are provided. With the help of the "CommFort" program, bibliographic and information inquiries for all departments of the college are carried out as quickly as possible.

The library of the Kostanay Construction College concluded an agreement for information and library service with the Kostanay Regional Library for Children and Youth named after. I. Altynsarina.

The volume of the book stock totals 4242 copies. books, 31 copies. electronic books on disks.

For students in the college there is a hostel for 150 seats - 1042.8 m<sup>2</sup>, total area 2406.5 m<sup>2</sup>. There are shower rooms, rooms for cooking. The building is connected to city engineering networks: cold, hot water supply, sewerage, heating.

The hostel was renovated. Each floor is equipped with bathrooms, a washing room, a kitchen with electric stoves, refrigerators, microwave ovens, TV sets.

There is a medical center in the hostel. The area of the medical facility is 42.3 m<sup>2</sup>. The state license No. 12006798 for medical activities from 20.07.2012 was issued by the Health Department of the Akimat of Kostanay region. The medical center is equipped with the necessary equipment and equipment in accordance with the requirements.

The use of information resources is of great importance in the implementation of the college's strategy.

In the college on these specialties a sufficient material base has been created: there are 5 computer classes.

#### Room equipment

№ кабинета	Название лаборатории	Оборудование
3	Cabinet of financial accounting, finance and credit	CPU Intel Core I33,40GHz, O3Y 4 Gb, HDD 500 Gb -15 шт. Printer HPLaserJet 1018 The local network
7	The operating systems and technology of programming, the fundamentals of microprocessor technology	CPU Intel Core I3 3.10 GHz, O3Y2Gb, HDD 500 Gb – 12 шт. Printer SamsungSCX-3200 The local network
8	Cabinet of programming, creation and maintenance of information support	CPU Intel Core I33,40GHz, O3Y 4 Gb, HDD 500 Gb -15 шт. Pinter HPLaserJet 1018 The local network
10	Cabinet of hardware for personal electronic computers, information technology and information technology	CPU Intel Pentium 2.8 GHz, O3Y2Gb, HDD 500 Gb – 14шт. CanonLBP-6000B – 1 шт. The local network
11	Cabinet of applied software, networks and telecommunications	CPU Intel Celeron 2 GHz, O3Y512Mb, HDD 120 Gb – 11 шт. HPLaserJet 1150 – 1 шт. Projector, interactive board The local network

There are 67 workplaces for 5 offices. Computer rooms are available to students for use in educational and research work.

The total number of computers in the offices connected to the Internet is 67. Internet access is organized on a dedicated line with a speed of 100 Mbit / s. In the college there is an established system of electronic document circulation of external and internal documents. External document circulation is carried out by means of e-mail str\_col@mail.ru, which conducts reception and transfer of documents. Internal document flow between users on the local network is carried out using the Commfort network program. There is a telecommunication node in the college, consisting of 1 server and communication equipment, which connects all subnets to a single network, and there is also a 3D printer. Placement of information on the server of the college, provides its operative updating and availability of educational materials and training programs.

Teaching and methodical complexes were developed by teachers:

- 1) Erdenova L.N, Sultanova N.T. Electronic educational-methodical manual on the subject "Professional English language" for the specialty "Accounting and audit". ISBN 978-601-312-019-5;
- 2) Keklis A.V, Nichubai E.V, Musina L.M, Kornev A.V. Electronic information and training application "Maps of the territory of Kazakhstan". Certificate of the Regional Expert Council Series AA No. 658 of March 31, 2017. (there is a report on approbation, internal and external reviews);
- 3) Erdenova L.N, Mamedova M.I Electronic manual "Terminological dictionary of informatics in English" for the specialty 1304000 Computer science and software (by types). National Book Chamber of the Republic of Kazakhstan. ISBN 978-601-321-324-8. 2017;
- 4) Zadorozhnyuk V.V, Keklis A.V, Seichanova D.G. "Electronic training manual" Computer networks and telecommunications "(computer program). Certificate of state registration of rights to the object of copyright No. 1206 of May 30, 2017;



5) Erdenova L.N, Sultanova N.T, Keklis A.V "Electronic manual on the subject:" Building materials and products "in English. National Book Chamber of the Republic of Kazakhstan. Extract from the minutes of the meeting of Methodical Council No. 4 of March 29, 2017 ISBN 978-601-280-928-2.

6) Seichanova D.G. Zadorozhnyuk V.V. The licensed electronic manual on the programming language of PHP. Certificate of the Regional Expert Council "Kostanay Daryny" Series AA № 279 dated March 27, 2015.

These educational and methodical complexes are available in free access on electronic media in classrooms, in the library, as well as on the website of the college <http://strcol.kz>.

To help students are offered methodical development for the execution of coursework, methodical guidelines for the thesis project, electronic manuals and textbooks. Topics of course design are considered at a meeting of the CCP and approved by the Deputy Director for Academic Affairs. Topics of course and diploma work are assigned to the students by the order of the director. The subject of the diploma and course projects is diverse and coordinated with the scientific project managers, the deputy head of the college's academic work, the head of the "Software" department of the Kostanay State University. A. Baytursynov, representatives from partner enterprises.

To automate the process of information processing, an automated testing complex ESTL is developed and used. A unified system of information services has been created in the college, thanks to which the support of students and teachers, accessibility of information resources, library funds is provided. In the process of training, students are provided with technological support through virtual lectures, consultations, and testing; through the provision of electronic textbooks, multimedia presentations, training programs; through computer testing using an automated program developed by college students. Technological support of teachers is provided through the provision of computer equipment, classrooms with multimedia equipment, specialized classrooms; through the provision of technical assistance in the design of electronic teaching aids, test tasks, the creation of an electronic portfolio, own sites. Students are provided with advisory assistance in finding information for various competitions, StartUp projects, selection of books and materials on the topics of course and diploma works, explanatory work is being carried out, as well as mugs "Robototechnics", "Network Technologies", "Programming" <http://strcol.kz/en/jirmeler/>.

The questioning of teachers and students, conducted during the visit of the NAEC of the NAEC, showed that:

- How do you assess the availability of the necessary scientific and educational literature in the library for teachers - "good" 53.5%, "very good" 43.7%;
- Satisfaction with the existing educational resources of the college - "good" 85.2%, "very good" - 12.3%;
- accessibility of computer classes and Internet resources- "completely satisfies" -86.4%, partially satisfies -11.1%.

Thus, the college has created the conditions for teaching, contributing to the formation of professional competencies, taking into account the individual needs and opportunities of students, creating opportunities for implementing the skills acquired in the training process.

**EEC notes that the educational institution for this standard focuses on the following items:**

- the organization of TVE creates conditions for the development of applied skills of students and teaching staff in the disciplines studied and the possibility of implementing these skills in competitions and competitions or in some other way in practice.

**In order to further develop and improve the activity of the college in the implementation of accredited educational programs, the EAC recommends:**

- to intensify the work on regular updating of the college web-site, including on the issues of academic accessibility and consultations, vocational guidance of students, and to intensify the work on implementing distance education technologies for individualizing the

educational process;

- to systematize work on the assessment of the dynamics of development of material and technical resources;

- continue the work on the replenishment of the book fund with educational and methodological literature and manuals, as well as electronic textbooks, including in the state language.

**EEC notes that the specialized profile of the college on this standard contains 1-strong, 11-satisfactory and 3-suggests improvement.**

*6.6. Standard "Standards in the context of specialties" Social sciences, services, economics, business and law*

The organization of educational activities in the Kostanay Construction College in the context of accredited educational programs is carried out by means of planning the educational process and the content of educational programs, and the choice of ways to conduct them.

The Kostanay Construction College guarantees access to the most up-to-date and up-to-date data in the field of economics and public life for students. On the college website, the electronic address <http://strcol.kz> contains information about the specialty "Accounting and Audit (by industry)", news is regularly published about the events, the achievements of teachers and students, the life of the college.

Justification of training specialists in the educational program: 0518000 "Accounting and audit" (by industry) is associated with the needs of the region and the republic in economists - accountants who are able to professionally perform professional duties.

Training of Specialists:

- 0518000 "Accounting and audit" (by industry) ", qualifies 0518033 Economist-accountant.

Normative term of study: 2 years 10 months (on the basis of general secondary education).

Work programs and perspective-thematic plans for academic practice are compiled in accordance with standard and work programs. Leaders of practices develop instruction cards, methodological recommendations. In order to link theoretical knowledge and the formation on the basis of practical skills and skills, all types of practices are conducted in accordance with the curriculum and the schedule of the educational process.

The educational program contains theoretical and practical training.

Total amount of study time. 0518000 "Accounting and audit (by industry)" - 4320 hours, including 3240 hours of compulsory education, including theoretical training - 1625 hours, industrial training and professional practice -1080 hours, laboratory and practical work, course projects 1399 hours.

Goals and results of the specialty "Accounting and audit (by branches)" are aimed at obtaining specific skills of the labor market professionals, particularly those in the formation of accounting documents and reports, in analyzing the financial position of the organization, etc.

The demand for practical skills obtained in practice is evidenced by the further employment of graduates of our college in the places of practical training. Graduate of the specialty "Accounting and audit (by industry)" Abildenov A. passed the practice in the Tax Office of the city of Kostanay, afterwards received an invitation to work.

During the first and second courses, excursions to the practice bases are organized in order to familiarize and study the structure and activities of enterprises, as well as to motivate interest in the future profession. Practical classes are held in specialized offices equipped with computers. For the implementation of educational programs, the practices of educators from production are involved. In order to obtain practical experience in applying theoretical knowledge in the specialty "Accounting and Audit", a practitioner Alma Amudaldinovna Istudinova (economist of "Russian Regional Drama Theater" of the Department of Culture of the Akimat of Kostanay region) is involved.

In the college developed and implemented working programs of educational and industrial practices in the field.

As disciplines defined by the organization of education, the curricula provide for practical disciplines aimed at applying professional competencies in the workplace.

List of disciplines defined by the organization of education

№	Name of the specialty, qualification	Additional disciplines determined by the organization of education
	0518000 "Accounting and audit (by industry)"	
1	0518033 Economist accountant.	The Basics of the Estimated Business
	1304000 «Computers and software »	
4	1304043 "Technician-programmer"	Robotics

Natural and technical sciences

Justification of training specialists in the educational program: 1304000 "Computer equipment and software" (by types) and 0518000 "Accounting and audit" (by industry) is associated with the needs of the region and the republic in technology programmers and economists - accountants able to professionally perform professional duties .

Training of Specialists:

- 1304000 "Computer equipment and software", is assigned the qualification 1304043 "Technician-programmer"

Experimental curriculum of TVE in the specialty 1304000-Computing machinery and software (by types), qualifications 1304043-Technician programmer is developed taking into account the main provisions:

- The Law of the Republic of Kazakhstan "On Education" of July 27, 2007.
- State Program for the Development of Education and Science of the Republic of Kazakhstan for 2016 - 2019.
- the order of the Department of Education of the Akimat of Kostanay region dated September 5, 2017 No. 467)

Full-time form of education

Normative period of study: 3 years 10 months (based on basic secondary education).

The structure of the introduction of a modular curriculum is divided into the following cycles:

- Basic modules (BM);
- Professional modules (PM);
- Modules defined by the organization of education (MOE);
- Professional practice (PP);
- Production training and / or professional practice (PP);
- Diploma design (DD);
- Intermediate certification (PA);
- Itative certification (IC);
- Consultations (C);
- Optical lessons (OL).

Total amount of study time. 1304000 "Computer equipment and software" - 6588 hours, including 5,760 hours of compulsory education, including theoretical training - 2,092 hours, production training and professional practice -1944 hours, laboratory and practical work, course projects and works 1,724 hours.

The demand for practical skills obtained in practice is evidenced by the further employment of graduates of our college in the places of practical training. Students of the specialty 1304000 "Computer Science and Software" Nagornyuk A. and Sidelnikov V. passed the practical training in the service of digital lines of the Center for Technical Maintenance of Local Networks of the Kostanay Technical Node of Local Networks of the Northern Regional Directorate of Telecommunications-Branch of JSC "Kazakhtelecom" and after graduation from the college are employed.

In the specialty "Computer Science and Software (by Types)", the teacher M.K. Salkenova previously worked in the branch of Region-Media LLP in Kostanay as a "production engineer", which helps to work actively with students in the field of video contests and computer graphics. Also, Seichanov E.S. (Head of the Digital Line Maintenance Department of the Local Networks Technical Support Center of the Kostanai Technical Node of Local Networks of the Northern Regional Telecommunications Directorate of Kazakhtelecom JSC, education: Kostanay Social and Technical University named after Academician Z.Aldamzhar 2008. Software and hardware for computer facilities and networks System Engineer) cooperates with the college in checking the passage of students in the specialty "Computer Science and Software" (by types) of manufacturing practices at courses 3 and 4, as well as the subject "Computer networks and network administration". These forms of work allow students to get as close as possible to the activities of the specialty, to receive the necessary information on key issues of the programmer's activities, working directly with the equipment and setting up digital lines, the Internet.

Educational programs correspond to the interests of consumers of educational services and adequately provide the expected level of vocational training of graduates. The plan for the development of the educational program is adequate to the available resources, the needs of the market of the Republic of Kazakhstan.

The discipline "Robotics" is the discipline determined by the organization of education in the specialty "Computer technology and software (by types)".

Upon completion of professional practice, the sessions of the committee for the protection of practice are held, which assess the effectiveness of educational programs, analyze in terms of the availability of components that shape the personal development of students, their creative abilities and social competencies.

Educational programs in the following specialties: "Computing and software (by types)" and "Accounting and audit (to branches)" were sent to the Kostanay Construction College for the upbringing and training of a diversified personality, the training of qualified specialists.

**EEC notes that the educational institution for this standard focuses on the following items:**

- Highly qualified and stable teaching staff;
- high rates of employment of students;
- contact with graduates, employers and social partners;
- the availability of training specialists on the basis of a modular-competence approach.

**In order to further develop and improve the activity of the college in the implementation of accredited educational programs, the EEC recommends:**

- to practice conducting separate classes at the enterprises of the corresponding specialization;
- to strengthen communication with college graduates, involving them to participate in various events and to consider the possibility of creating an Alumni Association.

**EEC notes that the specialized profile of the college in this standard contains 7-satisfactory, 1- suggests improvement.**



## **VII REVIEW OF STRONG SIDES / BEST PRACTICES FOR EVERY STANDARD**

### **6.1. Standard "Management of the educational program"**

- the organization of the TVE demonstrates the development of the EP development plan, its focus on meeting the needs of the state, stakeholders and trainees;
- The organization of TVE involves representatives of stakeholder groups, including students, teachers and employers, in the development of an EP development plan;
- the organization of the TVE demonstrates the transparency of the processes of forming the development plan for the EP. The organization of TVE ensures the awareness of stakeholders about the content of the development plan for the EP and the processes of its formation;
- the development plan for the EP is being publicly discussed with representatives of all stakeholders, on the basis of proposals and amendments, the authorized collegial body of the TVE organization is making changes to the draft;
- the organization of TVE demonstrates a clear definition of those responsible for business processes, an unambiguous distribution of the duties of the staff, the delineation of the functions of collegial bodies participating in the implementation of the EP;
- the management of the EP presents evidence of transparency in the management of the educational program;
- the leadership of the EP demonstrates evidence of openness and accessibility for students, teachers, parents.

### **6.2. Standard "Specificity of the educational program"**

- the organization of TVE demonstrates the existence of developed models of the graduate of the educational program, including knowledge, skills, basic and professional competencies, personal qualities;
- the leadership of the EP demonstrates the availability of a professional context in the content of the training disciplines;
- the leadership of the EP demonstrates the existence of an effective balance between theoretical and practice-oriented disciplines;
- the management of the EP ensures the availability and effective functioning of the system of individual assistance and counseling of students on the issues of the educational process;
- management creates conditions for effective development of the EP;
- the leadership demonstrates individual support for students in the implementation of the EP;
- the leadership of the EP proves the availability of a monitoring system for the achievements of students;
- the management of the EP conducts diagnostics of knowledge, abilities and skills that are learned at the beginning of the training course in the study of academic disciplines;
- the leadership of the EP ensures the formation of the students' skills for continuing education at the following educational levels.

### **6.3. Standard "Pedagogical collective and teaching effectiveness"**

- the organization of TVE demonstrates the availability of information about the pedagogical collective for the public;
- The workload of teachers includes various activities. The management of the EP demonstrates the evidence of the teachers' fulfillment of all types of planned workload;
- the leadership of the EP provides targeted actions for the development of young teachers;
- The pedagogical collective actively participates in the life of society.

### **6.4. Standard "Learners"**

- the leadership of the EP demonstrates the policy of forming a contingent of students of the EP and the transparency of its procedures;
- availability of a program to support gifted students;
- the leadership of the EP provides an opportunity for students to exchange and express opinions;

- availability of a monitoring mechanism for students' satisfaction with the activities of the TVE organization as a whole and individual services in particular;
- the management of the EP demonstrates the functioning of the feedback system, which includes the prompt presentation of information on the results of evaluation of learning outcomes.

6.5. The standard "Resources used in the implementation of educational programs"

- the organization of TVE creates conditions for the development of applied skills of students and teaching staff in the disciplines studied and the possibility of implementing these skills in competitions and competitions or in some other way in practice.

## **(VIII) REVIEW OF RECOMMENDATION ON IMPROVEMENT OF QUALITY**

List of recommendations of the EEC on all standards related to the implementation of the criteria

6.1. The standard "Management of the educational program":

- continue work to improve the quality of the educational process, taking into account the current quality management system and the strategic plan for the development of the college.

6.2. Standard "Specificity of the educational program":

- systematize the work on updating the content and analyzing the effectiveness of changes in educational programs, taking into account the interests of employers.

6.3. The standard "Teaching staff and the effectiveness of teaching":

- update the plan for the internships of the pedagogical and management staff of the college;
- consider the possibility of increasing the share of practitioners involved in the teaching process for teaching special disciplines and conducting master classes, seminars, etc.

6.4. Standard "Learners":

- Develop a mechanism for encouraging students to self-education outside the main program (in the framework of non-educational activities);
- provide for the certification of students (Python, C #, etc.).

6.5. The standard "Resources used in the implementation of educational programs":

- to intensify the work on regular updating of the college web-site, including on the issues of academic accessibility and consultations, vocational guidance of students, and to intensify the work on implementing distance education technologies for individualizing the educational process;
- to systematize work on the assessment of the dynamics of development of material and technical resources;
- continue the work on the replenishment of the book fund with educational and methodological literature and manuals, as well as electronic textbooks, including in the state language.

6.6. Standard "Standards in the context of individual specialties"

- to practice conducting separate classes at the enterprises of the corresponding specialization;
- to strengthen communication with college graduates, involving them to participate in various events and to consider the possibility of creating an Alumni Association.

## **(IX) REVIEW OF THE RECOMMENDATION ON THE DEVELOPMENT OF THE ORGANIZATION OF EDUCATION**

The management of the Kostanay Construction College is recommended to develop and implement a program in the college to develop and expand international cooperation with educational institutions of foreign countries.

**The conclusion of the commission for specialized accreditation**

№ п/п	Criteria for evaluation	Position of the organization of education			
		Strong	Satisfactory	Assumes improvement	Unsatisfactory
<b>Standard "Management of the educational program"</b>					
1	The organization of the TVE demonstrates the development of the EP development plan, its focus on meeting the needs of the state, stakeholders and trainees.	+			
2	The organization of TVE should ensure the adequacy of the development plan for the EP to the available resources, the needs of the labor market and the educational policy of the Republic of Kazakhstan.		+		
3	The organization of TVE should involve representatives of stakeholder groups, including trainees, teachers and employers, in the development of an EP development plan.	+			
4	The organization of the TVE demonstrates the transparency of the processes of forming the development plan for the EP. The organization of TVE ensures the awareness of stakeholders about the content of the development plan for the EP and the processes of its formation.	+			
5	The organization of the TVE should determine the mechanisms for the formation and regular revision of the development plan for the EP and for monitoring its implementation.		+		
6	The organization of the TVE systematically collects, accumulates and analyzes information on the implementation of the EP and conducts self-examination in all directions, develops and revises the plan for the development of the EP		+		
7	The EP development plan is held in public discussion with representatives of all interested parties, on the basis of proposals and amendments, the authorized collegial body of the TVE organization is making changes to the draft.	+			
8	The organization of TVE demonstrates the degree of implementation of the principles of sustainability, efficiency, effectiveness, priority, transparency, responsibility, delegation of authority, delineation and independence of the financing system.		+		
9	The management of the EP should include:				
9.1	management through		+		
9.2	mechanisms for planning, development and continuous		+		



	improvement				
9.3	monitoring, including the creation of reporting processes, allowing to determine the dynamics in the activities and implementation of plans		+		
9.4	analysis of the effectiveness of changes			+	
9.5	evaluation of the effectiveness and effectiveness of the units and their interaction "		+		
10	The organization of the TVE should document all the main business processes that govern the implementation of the PS		+		
11	The organization of the TVE should demonstrate a clear definition of those responsible for business processes, unambiguous assignment of staff duties, delineation of the functions of collegial bodies participating in the implementation of the EP	+			
12	The organization of the TVE should demonstrate the procedure for approving, periodically reviewing (reviewing) and monitoring educational programs and documents regulating this process		+		
13	The organization of the TVE should ensure the availability and effective functioning of the information and feedback system aimed at trainees, employees and stakeholders		+		
14	The management of the EP should demonstrate the successful functioning of the QA system of quality assurance, including its design, management and monitoring, their improvement, decision-making on the basis of facts		+		
15	The management should provide evidence of transparency in the management of the educational program	+			
16	The organization of the TVE should demonstrate the availability and evidence of intensive use in the management processes of the EP system for the collection and analysis of statistics		+		
17	The management should ensure that the degree of satisfaction of the needs of the teaching staff, staff and trainees is measured and demonstrate evidence of the elimination of deficiencies found in the measurement process		+		
18	The management of the EP should demonstrate evidence of openness and accessibility for students, teachers, parents	+			
<b>TOTAL</b>		7	14	1	
<b>Standard "Specificity of the educational program"</b>					
<b>Evaluation criteria: content of EP</b>					
19	The organization of TVE should demonstrate the availability of developed models of the graduate of the educational program, including knowledge, skills, skills, basic and professional competencies, personal qualities	+			

20	The organization of TVE should provide evidence of the participation of the teaching staff and employers in the development of the EP, ensuring their quality		+		
21	The organization of TVE should determine the content, scope, logic of the interrelationship of academic disciplines, as well as the influence of disciplines, vocational training and professional practice on the formation of basic and professional competencies of graduates		+		
22	The management of the EP should demonstrate the availability of a professional context in the content of the training disciplines	+			
23	The EP leadership should demonstrate an effective balance between theoretical and practice-oriented disciplines	+			
24	The list and content of the disciplines should be accessible to students. Disciplines should exhaustively cover all issues and problems in the field taught		+		
25	The structure of the educational program should provide for various types of activities, the content of which should contribute to the development of basic and professional competencies of students taking into account their personal characteristics		+		
26	An important factor is the renewability of educational programs, taking into account the interests of employers			+	
<b>Критерии оценки: индивидуализация ОП</b>					
27	The management of the OP must ensure equal opportunities for students, including regardless of the language of instruction			+	
28	The management should ensure the existence and effective functioning of the system of individual assistance and counseling of students on the educational process	+			
29	Management creates conditions for the effective development of the OP	+			
30	The management should demonstrate the use of the advantages, individual characteristics, needs and cultural experience of students in the implementation of the OP		+		
31	The management should demonstrate individual support for students	+			
32	The management of the EP must prove the availability of a monitoring system for the achievements of students	+			
<b>Evaluation criteria: evaluation of learning outcomes</b>					
33	The EP management should ensure the existence and effective functioning of the mechanism of an objective, accurate and comprehensive evaluation of learning outcomes		+		

34	The management should ensure that the evaluation of the learning outcomes and the degree of the basic and professional competencies of the students are objective, the transparency and adequacy of the instruments and mechanisms for their evaluation		+		
35	The management team should ensure that the procedures for assessing the level of knowledge, skills and abilities of students are in line with the planned learning outcomes and program objectives		+		
36	The EP management should conduct diagnostics of knowledge, abilities and skills of students at the beginning of training at the rate and study of the academic disciplines	+			
37	Processes and criteria for evaluating learning outcomes should be transparent		+		
38	The management should ensure that the students have the skills to continue their education at the following educational levels		+		
<b>Evaluation criteria: teaching methods</b>					
39	The management of the EP should ensure the systematic development, implementation and effectiveness of active teaching methods and innovative teaching methods		+		
40	When implementing the educational program, the independent work of the student		+		
41	The management of the EP should ensure the possibility of passing vocational training and professional practice in the specialty / qualification of trainees and monitor the satisfaction of students, managers of enterprises - places of practice and employers		+		
42	The management of the EP should ensure the implementation of the results of practical achievements of teachers in the educational process		+		
<b>TOTAL</b>		9	13	2	
<b>Standard "Pedagogical collective and teaching effectiveness"</b>					
43	To implement educational programs, the management of the EP should involve practitioners and determine the proportion of the disciplines they read			+	
44	The management of the EP should motivate the teaching staff to constantly apply innovations in the educational process		+		
45	The management of the EP should demonstrate the adequacy of the staff potential of the teaching staff to the specifics of the educational programs		+		
46	The organization of TVE should demonstrate the availability of information about the pedagogical team to the public	+			

47	The management should ensure that the activities of the teaching staff are monitored, a systematic assessment of the competence of teachers, a comprehensive assessment of the quality of teaching		+		
48	The workload of teachers should include various activities. The management of the EP must demonstrate the evidence of the teachers' fulfillment of all types of planned workload	+			
49	The management of the EP should provide targeted actions for the development of young teachers	+			
50	The management of the EP should demonstrate the mechanisms for stimulating the professional and personal development of teachers and workers		+		
51	The management of the EP should ensure monitoring of the satisfaction of the teaching staff		+		
52	The management should demonstrate the IT competence of the teaching staff, the use of innovative methods and forms of training			+	
53	An important factor is the participation of the teaching staff in the life of society	+			
<b>TOTAL</b>		4	5	2	
<b>Standard "Learners"</b>					
54	The management of the EP should demonstrate the policy of forming a contingent of trainees and transparency of its procedures	+			
55	The management of the EP should demonstrate awareness of the main roles (professional, social) trainees based on learning outcomes		+		
56	An important factor is the possibility of professional certification of students in the field of specialization in the learning process			+	
57	An important factor is the availability of programs to support gifted students.	+			
58	The management of the EP should make the maximum amount of effort to provide graduates with employment and keep in touch with alumni		+		
59	An important factor is the monitoring of the employment and professional activities of graduates		+		
60	The EP leadership should actively encourage students to self-education outside the main program (in the framework of extracurricular activities)		+		
61	The EP management should provide an opportunity for learners to exchange and express opinions	+			

62	The management should establish a mechanism for monitoring the satisfaction of students with the activities of the TVE organization as a whole and with individual services in particular	+			
63	The EP management should demonstrate the functioning of the feedback system, including the prompt presentation of information on the results of the evaluation of learning outcomes	+			
<b>TOTAL</b>		5	4	1	
<b>The standard "Resources used in the implementation of educational programs"</b>					
64	The management of the EP should ensure that the maximum number of structured, organized information is available for the students in the disciplines taught: for example, presentation materials, lecture notes, compulsory and additional literature, practical assignments, etc.		+		
65	Educational equipment and software used for the development of educational programs should be similar to those used in the relevant industries and meet the safety requirements for operation		+		
66	The organization of the TVE creates a learning environment that promotes the formation of basic and professional competencies and takes into account the individual needs and opportunities of students		+		
67	The organization of TVE should create conditions for the development of applied skills of students and teaching staff in the disciplines studied and the possibility of implementing these skills in competitions and competitions or in some other way in practice	+			
68	The organization of TVE should conduct an assessment of the dynamics of the development of material and technical resources and information support for the EP		+		
69	In the organization of TVE, an educational environment for the EP should be created, which includes:				
69.1	technological support of students and teaching staff in accordance with the specifics of the educational program			+	
69.2	academic accessibility - students have access to personalized educational resources			+	
69.3	academic consultations - there are personalized educational resources that help students		+		
69.4	professional orientation - students have access to personalized educational resources that assist in the selection and achievement of career paths		+		
69.5	the necessary number of classrooms equipped with modern technical training facilities that meet the sanitary and epidemiological standards and requirements		+		

69.6	the necessary number of computer classes, reading rooms, multimedia and language laboratories, the number of seats in them		+		
69.7	book fund, including the fund of educational and methodical literature on paper and electronic media, periodicals in the context of the languages of instruction			+	
69.8	free access to educational Internet resources		+		
70	The management should determine the degree of implementation of information technologies in the educational process of the EP, monitor the use and development by the teaching staff of innovative learning technologies, including ICT		+		
71	The management of the RP should demonstrate the reflection on the web resource of the information characterizing the OP		+		
<b>TOTAL</b>		1	11	3	
<b>“Standards in the context of individual specialties”</b>					
<b>Education</b>					
72	Educational programs in the field of "Education", such as "Preschool education and training", "Organization of educational work (by levels)", "Primary education", etc. must meet the following requirements:				
72.1	The management of the EP should demonstrate that the alumni have a program of practice-oriented knowledge in the field of psychology and communication skills, analysis of personality and behavior, methods for preventing and resolving conflicts, motivating learners				
72.2	The management should demonstrate the literacy of graduates of the program in the field of information technologies that meet the requirements of the educational sphere, the wide use of information and communication technologies in education organizations				
72.3	The management of the EP should demonstrate the availability in the program of disciplines, training organizations of the educational process, innovative methods of teaching and planning training, incl. interactive teaching methods				
72.4	The management of the EP should demonstrate that the students have the ability to form self-study skills				
72.5	The management of the EP should demonstrate that it has a clear idea of what qualifications and skills are required in the various specialties on the market, what is the approximate number of specialists required in the market for the profession being taught and to give examples of successful employment of most graduates in the specialty (qualification) in the first six months after the completion of training				
<b>Social sciences, services, economics, business and law</b>					



73	Educational programs in the areas of Service, Economics and Management and Law, such as Law Enforcement, Patenting, Translation (by Types), Tourism (by Industry), Catering, Social work ", " Marketing (by industry) ", " Finance (by industry) ", etc. must comply with the following requirements: the management of the UE must guarantee the access of students to the most up-to-date and up-to-date data (statistics, news, scientific results) in the field of paper specialization (newspapers, statistical collections, textbooks) and electronic media		+		
74	The EP in the areas of "Social Sciences, Economics and Business" and "Law" should also meet the following requirements:				
74.1	goals and outcomes of the EP should be aimed at providing students with specific skills that are in demand on the labor market		+		
74.2	the management of the EP should demonstrate that the graduates of the program have these skills and that these skills are really in demand in the market		+		
74.3	The EP should include a significant number of disciplines and activities designed to give students practical experience in applying theoretical knowledge, such as production practice, training in enterprises, participation in lectures and workshops of practicing specialists, etc.		+		
<b>Natural and technical sciences</b>					
75	Educational programs in technical areas, such as "Metallurgy and machine building", "Communication, telecommunications and information technology", "Production, installation, operation and repair (by industry)", "Communication, telecommunications and information technology", etc. . must meet the following requirements:				
75.1	In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills on the basis of theoretical training, the education program should include disciplines and activities aimed at obtaining practical experience and skills in the specialty in general and in the relevant disciplines in particular, in t .h.				
75.1.1	excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, etc.)		+		
75.1.2	conducting separate classes or whole disciplines at the enterprise of specialization			+	
75.1.3	The use of workshops for practical classes, solving practical problems relevant to enterprises in the field of specialization, etc.		+		



