



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТИҢ
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 evaluation Commission
for compliance with the requirements of the standards of specialized accreditation of
educational programs
1304000 «Computing and software (by types)»
«College Akmeshit»

from "28" to "30" may of 2019

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External Expert Commission

Addressed
Accreditation
Council of IAAR



Independent agency for
accreditation and rating

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Kyzylorda May 28, 2019

I LIST OF SYMBOLS AND ABBREVIATIONS

- MES RK – The Ministry of education and science of the Republic of Kazakhstan
- TVE - Technical and vocational education
- SOSE- State Obligatory Standard of Education
- FE - Final Examination
- RW - Research work
- RWS - Research work of student
- SMC - Scientific methodical Council
- EP - Educational program
- ETS - Engineering and teaching staff
- WC - Working curriculum
- MM - Mass Media
- USY - The Union of student youth
- TTA - Technical teaching aids
- MC - Model curriculum
- TM - Teaching methods
- ALPT - Assessment of the level of professional training and qualification by profession
- SCC - Subject-cycle Commission
- CY - Committee for Youth
- ICT - Information and communication technology
- AMS - Administrative and managerial staff
- AES - Auxiliary educational staff

(II) INTRODUCTION

In accordance with order No. 66-19-OD 08.05.2019 of the year Independent Agency of Accreditation and Rating (IAAR) in the Private Institution "College Akmeshit" of the city of Kyzylorda, the type of activity the technical and vocational training, took place the visit of the External Expert Commission (EEC). From may 28 to may 30 of 2019, the assessment of compliance of educational programs of specialty 1304000 "Computing and software (by types)", qualification 1304043 "Technician-programmer" with the standards of specialized accreditation of IAAR was carried out.

The report of the external expert Committee assesses the conformity of educational programs of educational organizations criteria of the IAAR, the recommendations of the EEC for the further improvement of educational programs and settings of profile educational programs in the school "College Akmeshit". The composition of EEC

1. **The Chairman of the Commission** – Malikova Marzhan Sabyrovna, Deputy Director of the EMW of ASPC "Almaty State Polytechnic College" (Almaty);
2. **Foreign expert** – Kühl Marten Ove, Chief specialist of the project "Agrarian and political dialogue" (Germany);
3. **Expert** – Ualhanov Baizhan Nurbayevich, Ph. D., Director of PAES in Pavlodar (Pavlodar);
4. **Expert** – Ahmetbekov Nurbolat Auzhanovich, associate Professor of Department "Morphology and physiology", JSC "Kazakh agrotechnical University named after S.Seifullin" (Nur Sultan);
5. **Expert** – Tugerova Galiya Berdibayevna, Deputy Director on educational - methodical work of College of CSUTE named after Sh.Yessenov (Aktau);
6. **Expert** – Suleymenova Aliya Zeinulgabdenovna, Deputy Director on educational work of the Zhezkazgan College of business and transportation (Zhezkazgan);
7. **Expert** – Kanteyev Aidar Kalievich, Teacher of special disciplines of KPC "Karaganda higher Polytechnic College" (Karaganda);
8. **The observer from the Agency** – Dinara Bekenova Kairbekovna, project Manager for accreditation of the TVE institutions IAAR (Nur-Sultan);
9. **Employer** – Mamen Baldyrgan Nurtugankyzy, a spokesman RPP of Kyzylorda region (Kyzylorda);
10. **Student** – Shaimukhanbet Nazerke Ahmetkyzy, 3rd year student of specialty 0105000 "Primary education" in "Kazakh humanitarian legal and technical higher College" (Kyzylorda).

(III) REPRESENTATION OF THE ORGANIZATION OF EDUCATION

Private educational institution "College Akmeshit" is an educational institution of technical and vocational education, having the status of a legal entity, implementing professional educational programs.

In April 2004, the college was opened at the Kyzylorda engineering and economic Institute by order №353 of the Ministry of education and science of the Republic of Kazakhstan.

In November 2006, the college was transformed into Kyzylorda multidisciplinary humanitarian and technical college, and in March 2019, the college was renamed "College Akmeshit".

On March 26, 2019, the Department of control in the field of education of Kyzylorda region of the Committee for control in the field of education and science of the Ministry of education and science of the Republic of Kazakhstan issued a state license series №KZ15LAA00014966.

Training of specialists in the specialty "Computing and software (by types)" is conducted by correspondence, the language of instruction is the state. The contingent of students for the 2018-2019 academic year is 2 students.

The educational program includes: working curriculum, working programs of academic disciplines, calendar and thematic plan, programs of educational and practical training, the schedule of the educational process, ensuring the implementation of appropriate educational technologies. The training program is designed to fulfill the objectives of the mission and has sufficient resources: human resources, logistics, contracts with the base of practice, a list of optional subjects, etc.

In order to organize practical training of the specialty "computing and software (by types)" contract of KSU named Korkyt ata "Management of information technologies and commercialization of scientific works", which today operates one college graduate.

The college has 3 academic buildings, a student canteen for 50 people, a sports hall, a hostel for 50 people, an assembly hall for 200 people, a meeting room for 100 people and an educational laboratory complex. All classrooms are equipped and equipped with the necessary technical means of training, visual AIDS.

Currently, 610 students study at "College Akmeshit".

Training in the college are 61 teachers, including 1 doctor of sciences, 7 candidates of sciences and 19 masters.

(IV) A DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

The institution of education "College Akmeshit" for the first time undergoes the procedure of specialized accreditation of organizations of technical and professional organizations.

(V) A 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 Committee for the specialized accreditation of educational programs in the educational institution "College Akmeshit" in the period from 28 may to 30 may 2019.

In order to coordinate the work of the EEC in the college held a kick-off meeting, which were distributed the powers between the members of the Commission, the revised schedule of the visit, agreed in the choice of methods of examination.

Meetings of the EEC with the target groups were held in accordance with the updated program of the visit, in compliance with the established time period. On the part of the collective Private educational institution "College Akmeshit" was provided the presence of all persons specified in the program of the visit.

In order to obtain objective information about the quality of educational programs and the entire infrastructure of the College, to clarify the content of self-assessment reports, meetings were held with the Director, Deputy Director for EMW, Deputy Director for TEW, Deputy Director for TPW, Deputy. Director of EP, head of educational part, heads of Department, head of personnel Department and student Department, chief accountant, head of library, nurse, heads of cyclic associations, psychologist, Executive Secretary of the selection Committee, teachers, students, graduates, employers, social partners and parents of students. In total, 154 people took part in the meetings.

Table 1 - Information on participants in meetings with the EEC

Category of participants	Number
Director	1
Deputy Director	4

Branch manager	6
Cycle managers	3
Chief accountant	1
Head	1
Teachers	17
Workers	4
Students	34
Graduates	23
Social partner	18
Parents of students	43
In total	154

In the course of the work of the EEC, a visual inspection of the college infrastructure was carried out: classrooms, computer classes, library, reading room, assembly hall, sports hall, hostel, medical center, dining room, etc. the normative legal documentation of the college, curricula, educational program, educational and information support of educational activities, materials on personnel and material support of the educational process, documentation on the organization of educational work and financial activities of the college were also studied.

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 basis of the examination, were presented at a meeting with the college management.

Activities planned in the framework of the visit allowed the members of the EEC of the IAAR to conduct an independent assessment of compliance data contained in reports on self-assessment of the College, the criteria of the standards of specialized accreditation.

Along with this, the experts studied the website of www.kmgtk.kz, which is a source of information about the college to the public, both internal and external.

A detailed analysis of the compliance of the college's activities with the standards of specialized accreditation of the independent accreditation and rating

agency allowed EEC to make the following conclusions in the context of the standards within the framework of the college visit program.

However, the EEC notes that during the visit it was not possible to attend classes of teachers and to determine the level of the educational process of the specialty 1304000 "Computing and software" because of the absence of groups.

(VI) THE STANDARDS OF SPECIALIZED ACCREDITATION

6.1. Standard "Educational program Management"

The evidence part

Strategic educational activities of the college are reflected in the planning, reporting and regulatory documents of the college.

Training in EP specialty 1304000 "Computing and software (by types)", 1304043 "Technician-programmer" is carried out in accordance with the legal documents of the Republic of Kazakhstan and the strategic development plan of the college for 2017-2021, which defines the mission, goals, objectives and vision, reflecting its place and role in the socio-economic, educational, scientific and cultural development of the country.

The mission of the college is to train highly qualified and competitive specialists focused on solving the issues of industrial and innovative development in accordance with the needs of the market of the Republic of Kazakhstan and the region.

The vision - by 2021 to become one of the leading TOP 10 colleges in the region in training specialists that meet the requirements of the labor market and socio-economic needs.

The strategic goal is to obtain affordable quality education with the acquisition of professional skills at the level of national and international standards.

Activities in the college are carried out in accordance with external and internal documents. External documents are submitted by Decrees of the President of Kazakhstan, Resolutions of the Government of Kazakhstan, Orders of MES, Department of education of Kyzylorda.

Internal documents are divided into national regulatory, administrative, department, and job descriptions.

According to the staff structure, the direct management of the college is carried out by the Director, who organizes the strategic management of the college in accordance with its competence, determined by the legislation of the Republic of Kazakhstan and the charter of the college.

The main activities of the college are coordinated by Deputy Directors:
- Deputy Director - for educational and methodical work;

- Deputy Director for training and production work;
- Deputy Director of educational work.

Analytical part

EEC experts note that the college has formed an optimal system of management and identification of responsible persons. The implementation of educational programs, compliance with their mission, vision and strategy is provided, first of all, through the planning system through the use of the following mechanisms:

- management of long-term planning through common priorities and strategic goals for the development of programs;
- short-term planning of internal control plans and work of structural units, reflecting deadlines.

During the interview with the administrative staff of the college, the staff had information on the definition of processes and mechanisms of development and continuous improvement, and efficiency at the level of departments, reporting and implementation of the content of educational programs, taking into account the results of engineering and teaching staff in the educational, methodical, educational areas and in the organization of practical training. But the meeting with other stakeholders did not give such a positive answer, because in the formation of the development plan, the college needs to involve representatives of stakeholder groups, i.e. students, teaching staff and employers, thus demonstrating the transparency of the processes of formation of the development plan of the EP.

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

In accordance with the program of the visit, a survey was conducted with teachers and students. The results of the survey reflected, in addition to determining the degree of satisfaction, the decision to adjust the plans according to the areas of activity.

An anonymous survey of teachers conducted during the visit of EEC IAAR showed that the majority of teachers noted the item "Reflection of the mission and strategy of the college in the curriculum" - "excellent" - 17 people, which amounted to 65.4% and "good" - 9 people (34.6%).-

The survey of students conducted during the visit of EEC IAAR showed that:

- the level of availability and responsiveness of the College management, fully satisfied – 91,1%;
- overall quality of training programs fully satisfied – 96,7%;
- teaching methods are generally fully satisfied – 95,6%;
- the quality of teaching is fully satisfied – 97.8%.

Recommendations of EEC

- In order to further develop and improve the activities of the college for the implementation of accredited educational programs, EEC IAAR recommends:
- to improve the development strategy of the college with the specification of specific activities and indicators, as well as the expected results and required resources;
 - to ensure that stakeholders are informed about the content of the development plan of the EP and the processes of its formation;
 - strengthen the work to improve the quality of the educational process, taking into account the quality management system and the strategic development plan of the college;
 - to define mechanisms of formation and regular revision of the development plan of EP and monitoring of its implementation;
 - provide an analysis of the effectiveness of changes in the EP, performance assessment in the activities of units and their interaction;
 - to initiate the work of the system of statistics collection and analysis in the processes of EC management.

Conclusions of the EEC on the criteria: (strong/ satisfactory/ suggest improvements/ unsatisfactory)

EEC notes that the college's specialized profile for this standard contains 7-satisfactory and 15-suggest improvements.

6.2. Standard “Specifics of the educational program”

The evidence part

Educational programs in the "College Akmeshit" are aimed at the formation of professional and basic competencies of the individual, corresponding to professional standards.

The objectives of educational programs are reflected in the educational programs for each qualification and are determined taking into account the directions of the specialist with civil, spiritual and moral qualities, having the necessary professional and social competencies, able to constantly improve themselves and realize the opportunities competitive in the labor market that meet the requirements of the economy and the needs of society.

The content of educational programs of technical and vocational education provides for the study of general education, general humanitarian, socio-economic, general professional, special disciplines, industrial training and professional practice for the acquisition and consolidation of professional skills.

The main result of the successful development of students' educational programs is the preparation of an educated, fully developed specialist capable of

competing in the labor market, in this regard, the college has developed models of graduates in the specialties of the cluster.

Graduate model – a description of what should be suitable specialist to perform what functions him should be prepared and what qualities should have.

The basis of professional activity is the professional competence of the graduate, causing its adaptation to the changing situation in society and the labor market, the renewal of existing or the formation of new competencies. In the conditions of market relations graduates should have such general professional competence as independent supervision, control, self-discipline, evaluation, self-organization, self-management, support.

Analytical part

During the visit, experts of IAAR, visited the base practices, in particular specialty 1314000 "Computing and software (by types)", of KSU named after Korkyt ATA "Management of information technologies and commercialization of scientific works", which was attended by graduate college 2012 Bazhetov Azamat, who works at the University as a system administrator. The head of the Department "Information technologies acquainted with the course of practical training. According to the head of the Department at the University for a long time do not practice students of the college, but the need for personnel exists.

Given that the sustainable development of technical and vocational education, as well as any other socio-economic system is associated with the constant modernization of its activities based on social partnership, it requires search, more effective partners, the introduction of innovations in the educational process. An important area of interaction with social partners in the field of educational content is their involvement in the development of training and program documentation for training. This interaction allows us to take into account the current and future requirements for the training of specialists imposed by employers. During the interview with employers it was revealed that the college needs to strengthen the work on cooperation with social partners and update educational programs taking into account the interests of production.

Also, experts note that the model of the graduate specialty 1304000 "Computing and software (by types)" needs to be refined, as it should reflect the knowledge, skills, basic and professional competence, personal qualities of the technician-programmer, able to work in a modern market economy. The formation of competencies is realized by means of the content of education. During the interview, the involvement of stakeholders in the preparation of the graduate model was not confirmed.

Thus, EEC, analyzing the work on the standard "Specificity of the educational program", revealed the non-updating of educational programs, their discrepancy to

the realities of the modern labor market. In order to ensure the exchange of experience with partner organizations, the management of the EP needs to hold meetings and round tables with employers, at which the requirements for graduates are adjusted, questionnaires are filled and analyzed, training programs are adjusted to the requirements of modern production. It is also necessary to provide additional education, which involves training and obtaining professional certificates.

The survey of students conducted during the visit of EEC IAAR showed that:

- the level of availability and responsiveness of management is estimated as high – 91,1%;
- availability for consultation on personal problems is estimated – 95,6%;
- support of educational materials in the learning process – 94.4%;
- the level of satisfaction with the educational resources of the college – 97.8%.

Strengths/best practices

EEC notes that in the school on this standard identified strengths.

The recommendations of the EEC

In order to develop and improve the activities of the college for the implementation of accredited educational programs, EEC IAAR recommends:

- to finalize the model of the graduate in accordance with professional activities for the development, modification, adaptation, configuration and maintenance of software with the use of innovative it solutions at the beginning of the next school year (September, 2019);
- to update the EP of the specialty "Computing and software" with the purpose of definition of conformity of training to the realities of the modern labor market and requirements of the relevant organizations and enterprises of the region in the 2019-2020 academic year;
- to determine the content, volume, logic of the relationship of academic disciplines and their impact on the formation of basic and professional competencies of the graduate, taking into account the requirements of employers;
- to strengthen the control of the administration over the maintenance of documents of strict accountability in accordance with the RLA (order №502) where, on specially designated pages, teachers keep records of laboratory and practical, graphic control works and course projects;
- to develop a system of monitoring the quality of training to analyze the achievements of the subject results;
- to develop a system for monitoring the satisfaction of students and managers of enterprises on the results of industrial training and professional practice in the specialty "Computing and software" until the end of the current academic year (June, 2019);

- systematize the work on the use of innovative methods and forms of training in the educational process;
- to carry out course and diploma projects in accordance with the guidelines;
- to update the topics of course and diploma projects in accordance with the current technology accredited specialties;
- to introduce the results of practical achievements of college teachers in the educational process in the new academic year (2019-2020).
- to concretize the content of the plan of development of EP of specialty "Computing and software".

Conclusions of the EEC on the criteria: (strong/ satisfactory/ suggest improvements/ unsatisfactory)

EEC notes that the college's specialized profile for this standard contains 6-satisfactory and 18-suggest improvements.

6.3. Standard “Teaching staff and effectiveness of teaching”

The evidence part

The teaching staff is the primary resource to support the college's mission. In this regard, the college is focusing on the recruitment and training processes. Personnel policy is carried out in accordance with the main priorities of the college strategy, the requirements of the college development plan.

In the selection and placement of personnel, the correspondence of basic education to the functions performed is taken into account. The educational program in the specialty 1304000-“Computing and software (by types)” the educational process is provided by 21 full-time teachers, including the highest category - 4, the first category – 5, the second category - 2, without category - 4. The share of teachers and masters of industrial training in the specialty of the highest and first category and masters of the number of teachers and masters of industrial training is – 42.8%

Obligations of teaching staff are clearly and objectively determined on the basis of job descriptions and other internal documents of the college in accordance with the order of the Minister of education and science of the Republic of Kazakhstan №83 from January 27, 2016 "On approval of the rules and conditions of certification of teachers and equated persons holding positions in educational institutions, implementing general educational programs of preschool, primary, secondary, general secondary, educational programs of technical and professional, post-secondary education" (as amended on October 17, 2017 №530), "The labor code of the Republic of Kazakhstan".

The planning of the educational work of the ETS is the Deputy Director for educational-methodical work within the teaching load. Total load full-time teachers, working full-time, subject to fulfillment of educational, educational-methodical, scientific-research, organizational-methodical, educational, training and other types of work within an 8-hour working day is 720 hours. The annual volume of teaching load of ETS is established proceeding from the approved standard for academic year, staff of ETS and taking into account need of performance of all types of the educational activity following from curricula.

Analytical part

During interviews with teachers, experts did not receive reliable information about innovations in the framework of the EP, which leads to the conclusion about the insignificance of the use of active and innovative teaching methods.

One of the factors of improving the quality of the educational process is the use of information technology in education, but it is necessary to improve the level of ICT proficiency of college teachers, through the organization of internal training courses in the field of information technology, it allows teachers to master professional software and successfully use it in classroom and extracurricular activities. The competent use of information and communication technologies by teaching staff enhances the pedagogical impact on the formation of the creative potential of the student. Also, the increase in the effectiveness of new information and communication technologies in the educational process would contribute to improving the quality of electronic textbooks, guidelines, etc.

In General, assessing the staffing, which is one of the conditions that determines the quality of training, it is necessary to revise the staff in the specialty "Computing and software" with the basic knowledge. Along with this, it is necessary to regularly organize professional development of the teaching staff, timely pass certification for the qualification category, and it is also necessary to build a stable target personnel system, in which it is necessary to allocate training of new personnel from among its own graduates.

A survey of faculty conducted in the course of the visit of the EEC IAAR showed that:

- the college provides an opportunity for continuous development of ETS potential – good – 50 % and excellent – 50%;
- teachers are satisfied with the content of the educational program – good 53.8% and excellent – 46.2%;
- the level of feedback of teachers with the management satisfies on well - 57.7% and excellent -42.1%;

Strengths/best practices

EEC noted that in the school on this standard identified strengths.

The recommendations of the EEC

In order to further develop and improve the activities of the college for the implementation of accredited educational programs, EEC IAAR recommends:

- to consider the possibility of increasing the share of practitioners involved in the educational process for teaching special subjects and conducting master classes, seminars, etc. in the new 2019-2020 academic year;
- to develop mechanisms of stimulation and motivation of professional and personal development of college teachers for the new academic year;
- to strengthen control over the selection of personnel taking into account the basic knowledge of the specialty “Computing and software”;
- to intensify the work of the rating system of teachers for the effective management of both the system of professional growth of teachers and the effective management of the quality of educational services;
- to monitor the satisfaction of the teaching staff to improve the efficiency and quality of the educational process of the college;
- to pass advanced training courses for teachers in accordance with the specifics of the disciplines taught at the beginning of the 2019-2020 academic year;
- to create conditions for professional training of teachers of special disciplines at industrial enterprises on the profile of the specialty in the 2019-2020 academic year;
- to increase the number of author's developments to 20% in special disciplines in the 2019-2020 academic year.
- to consider the possibility of international cooperation in the field of improving pedagogical and methodological skills and exchange of experience with foreign colleagues on the use of innovative pedagogical technologies in the 2019-2020 academic year;
- to improve the work of the school of young teachers and mentoring.

Conclusions of the EEC on the criteria: (strong/ satisfactory/ suggest improvements/ unsatisfactory)

EEC noted that the college's specialized profile for this standard contains 3-satisfactory and 8 - suggest improvements.

6.4.Standard “Students”

The evidence part

Depending on the conditions of training, the contingent of the institution is divided into students on the state educational order and students on a contractual basis.

Admission to the "College Akmeshit" is carried out in accordance with the order of the Minister of education and science of the Republic of Kazakhstan dated 9th October of 2018 № 553 "On approval of the Model rules of admission to education organizations that implement educational programs of post-secondary education", the Order of the Minister of education and science of the Republic of Kazakhstan dated 18th October of 2018 №578 "On approval of the Model rules of admission to educational organizations that implement Educational programs», in accordance with the Decree of the Government of the Republic of Kazakhstan dated 28th February of 2012 № 264 "On approval of the quota for admission to study in educational institutions, implementing educational programs of technical and professional, post-secondary and higher education" (as amended on 29.12.2017), the order of the Minister of education and science of the Republic of Kazakhstan dated 14th April of 2015 № 200 Standard of state service "Acceptance of documents in the organization of technical and professional, post-secondary education".

Contingent of students for the current year:

Information on admission 2014-2019

Contingent of applicants and enrolled in the 1st year students					
Academic year/enrolled	2014-2015 academic year	2015-2016 academic year	2016-2017 academic year	2017-2018 academic year	2018-2019 academic year
1304000-«Computing and software (by types)»	-	5	-	-	1

The applicant passes the process of passing the entrance exam, admission to the competition, enrollment in the number of students, distribution in educational groups.

At the end of admission information about students enrolled attached to the personal book for financial and statistical reporting.

Professional certification of students is carried out under the control of the independent certification body of the branch "Republican scientific and methodological center for the development of technical and vocational education and qualification "Kyzylorda regional branch".

In accordance with the regulation, confirmation of the level of professional training depending on the specialty provides for 2 stages:

Stage 1-examinations in special subjects (written test-100 questions);
Stage 2-implementation of qualification (practical) work corresponding to the level of qualification and requirements of training programs.

Monitoring of employment of graduates of the EP is carried out annually by entering statistical data into the database 2NK.

Analytical part

During the interview with the members of the IAAR Commission, students of accredited specialties expressed the following wishes: to strengthen the practical orientation of teaching, to increase production tours to get acquainted with the specialty, to equip the laboratory with modern equipment, to provide training benefits for students studying on a commercial basis, to promote employment, etc. During the interview, employers noted that there is a need for personnel in accredited specialties, but due to the lack of contingent, employers do not have the opportunity to conduct an annual production practice, respectively, recommendations were proposed for the annual admission of the contingent, also proposed the improvement of the educational program and the dual training system.

Analyzing the work on the standard "Students", it can be noted that effective learning requires a learning environment that promotes the formation of basic and professional competencies and personal development, taking into account the individual needs and capabilities of students and strengthen the work to increase the contingent of accredited specialties.

The survey of students conducted during the visit of EEC IAAR showed that:

- support of educational materials in the learning process - fully satisfied -94.4 %, partially – 4.4%;
- availability of counseling on personal problems - fully satisfied – 95.6%, partially-3.3 %;
- availability of library resources - completely satisfied – 93,3 %, in part 6,7 %;
- the quality of services provided in libraries and reading rooms is fully satisfied – 95.6 %, partially – 4.4%.

Strengths/best practices

During the analysis of the standard "Students" experts did not identify the strengths of the specialty "Computing and software".

The recommendations of the EEC

In order to further develop and improve the activities of the college for the implementation of accredited educational programs, EEC IAAR recommends:

- to develop a program in order to support gifted students;
- to find the possibility of professional certification of students in the field of specialization in the learning process;

- to develop a mechanism for the implementation of standards of professional training of international World Skills Championships on the declared competencies;
- to organize group work and electives in accordance with the specialization;
- to strengthen the work on employment of graduates;
- to develop a mechanism for monitoring the employment and professional activities of graduates;
- to initiate a mechanism to stimulate students to self-education;
- to strengthen the work on career guidance to increase the contingent;
- to strengthen the relationship with alumni is to get them to participate in various activities and to consider the establishment of the alumni Association;
- to strengthen the role of student activists in the college in decision-making, as well as in various spheres of public life;
- to improve career guidance using innovative technologies.

Conclusions of the EEC on the criteria: (strong/ satisfactory/ suggest improvements/ unsatisfactory)

EEC notes that the college's specialized profile for this standard contains 3-satisfactory and 7-suggest improvements.

6.5. Standard “Resources used in the implementation of educational programs”

The evidence part

The college has created a system of providing high-quality educational and didactic materials in accordance with educational goals. For the quality of coverage of educational and didactic materials are responsible Deputy Directors for educational work, for educational and industrial work, heads of departments, heads of SCP, teachers. Students are provided with the necessary educational and methodical materials-textbooks, didactic and visual AIDS, electronic textbooks, electronic lectures, electronic media (plans of theoretical and practical classes, videos, etc.).

The adequacy of the use of educational equipment and software in the organization of "College Akmeshit" is analyzed by the teacher of discipline and heads of classrooms.

The college has sufficient material and technical base to ensure the conduct of the educational process in accordance with the regulatory requirements of secondary special educational institutions.

The material and technical base of the college consists of 3 academic buildings with a useful area of 4688.2 m².

There is a student hostel for 50 people.

The area of the closed sports facility of the college is 408.6 m². In order to create a healthy lifestyle among the teaching staff and students at the institute signed a contract with the sports complex "Seyhun" which has a training gym, swimming pool and gym.

There is a dining room for 50 seats with a total area of 70 m² for students.

The classroom fund of college allows us to efficiently organize the learning process. Teaching and classroom fund of college consists of 54 classrooms with 960 seats, 18 laboratories with 240 seats, 7 computer classes with 120 seats, 2 reading rooms with 70 seats, 14 multimedia classrooms with 304 seats, 1 language laboratory class with 12 seats, 1 a methodical study and 1 educational-laboratory complex.

Analytical part

Analyzing the work of this standard during interviews with teachers, students and parents, as well as visual inspection of the college, experts note the need to enhance and improve the material base, in particular modern computer equipment and interactive tools. Also provide Wi-Fi coverage throughout the college for mobility of teachers and students.

The website of the college does not provide enough information for the public, for example, on the website there is a list of specialties of "College Akmeshit", but there is not professional description of the specialty, there is not information about the educational process (curriculum, methodological and other documents developed by the college to ensure the educational process, implemented educational programs with the indication of academic disciplines (modules), practices provided by the relevant educational program, etc.), material and technical support of educational activities, including information on the availability of equipped classrooms, facilities for practical training, libraries, sports facilities, training and education, on the conditions of food, electronic educational resources, the receipt of financial and material resources and their expenditure on the results of the financial year for transparency, employment of graduates, the latest news of the college, for correspondence department, the implementation of state programs, etc. Also does not present a model graduate in specialties, which would be a structural and conceptual scheme, reflecting the ideal image of a young professional, college graduate, etc.

Experts note the need to increase the specialized literature for the specialty "Computing and software", as well as the possibility of developing the author's works of college teachers.

Survey of students conducted during the visit of EEC IAAR showed that:

- satisfaction with the existing educational resources of the college – "fully satisfied" – 97.8%, "partially satisfied" – 1.1%
- availability of computer classes and Internet resources – "fully satisfied" – 91.1%, "partially satisfied" – 8.9%;
- classrooms – "fully satisfied" 94.4 %;
- equipment for students are safe, comfortable and modern – "fully satisfied" – 86.7%, "partially satisfied" – 12.2%.

Strengths/best practices

In the course of work on the standard "Resources used in the implementation of educational programs" experts have not identified the strengths of the specialty "Computing and software".

The recommendations of the EEC

In order to further develop and improve the activities of the college for the implementation of accredited educational programs, EEC IAAR recommends:

- to improve the work of the information system of training "E-College»;
- expand and equip with modern computer equipment and interactive equipment computer classes for the specialty "Computing and software»;
- to provide Wi-Fi coverage throughout the college for the mobility of teachers and students;
- to improve the work on regular updating of the college website on academic accessibility and consultations, professional orientation of students, as well as to intensify the work on the implementation of distance learning technologies for the individualization of the educational process;
- to consider the possibility of adapting the site for mobile devices, for the convenience and mobility of all stakeholders;
- to systematize work on carrying out an assessment of dynamics of development of material and technical resources and information support of EP;
- to continue work on the replenishment of the book fund of educational and methodical literature and manuals, as well as electronic textbooks in the state language.

Conclusions of the EEC on the criteria: (strong/ satisfactory/ suggest improvements/ unsatisfactory)

EEC noted that the college's specialized profile for this standard contains 2-satisfactory and 13-suggests improvement.

6.6. Standard “Standards in the context of individual specialties”

The evidence part

The development of accredited educational programs is aimed on obtaining the necessary theoretical and practical training for graduates. In the process of mastering educational programs, students are provided with relevant knowledge in the field of technology and technology formed skills of communication, analysis of personality and behavior, evaluation of forecasting various decisions in accordance with the key competencies presented in the EP.

At the beginning of the school year in accordance with the standard curriculum (Order of the MES RK of July 10, 2013 № 268 "On approval of standard curricula and standard curricula for technical and vocational education", Order of the MES RK of June 15, 2015 № 384 "On approval of standard curricula and standard curricula for technical and vocational education", as amended by the order of the MES RK of 22.01.2016 № 72; Order of the MES RK of 31.10.2017 №553 "On approval of standard curricula and standard curricula for technical and vocational education") developed and approved working curricula and calendar-thematic plans, individual work plans, work curricula for disciplines for the specialty 1304000-“Computing and software (by types)”. The subjects are fixed test questions, exam tickets, mandatory tests. The themes of term papers and diploma projects were approved.

Analytical part

Analysis of the standard "Standards in the context of specialties" showed that the development plan of the specialty "Computing and software" were not taken into account:

- involvement of employers in the process of improving the EP, the definition of professional competencies of graduates, the preparation of educational and methodological support of the disciplines proposed by the employer, allowing students to receive quality professional education;
- professional certification of students in the field of specialization in the learning process;
- international cooperation;
- involvement of graduates in various activities of the college, etc.

Strengths/best practices

In the course of work on the standard "Standards in the context of specialties" experts have not identified the strengths of the specialty "Computing and software".

Recommendations EEC

In order to further develop and improve the activities of the college for the implementation of accredited educational programs, EEC IAAR recommends:

- to initiate work to attract practitioners with experience in enterprises in the field of specialization of EP;

- to practice holding separate classes at the enterprises of the corresponding specialization;
- to strengthen the relationship with alumni is to get them to participate in various activities and to consider the establishment of the alumni association;
- to provide access to personalized educational resources, as well as resources to assist in the selection and achievement of career paths.

Conclusions of the EEC on the criteria: (strong/ satisfactory/ suggest improvements/ unsatisfactory)

EEC notes that the special profile of the college in accordance with this standard comprises 5 - involves improving.

VII REVIEW STRENGTHS/ GOOD PRACTICES FOR EACH STANDARD

During the accreditation procedure, the experts did not identify the strengths of the specialty "Computing and software".

(VIII) REVIEW RECOMMENDATIONS FOR IMPROVEMENT QUALITY

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

6.1. Standard “Educational program management”

- to improve the development strategy of the college with the specification of specific activities and indicators, as well as the expected results and required resources;
- to ensure that stakeholders are informed about the content of the development plan of the EP and the processes of its formation;
- to strengthen the work to improve the quality of the educational process, taking into account the quality management system and the strategic development plan of the college;
- to define mechanisms of formation and regular revision of the development plan of EP and monitoring of its implementation;
- to provide an analysis of the effectiveness of changes in the EP, performance assessment in the activities of units and their interaction;
- to initiate the work of the system of statistics collection and analysis in the processes of op management.

6.2. Standard “Specifics of the educational program”

- to finalize the model of the graduate in accordance with professional activities for the development, modification, adaptation, configuration and maintenance of software with the use of innovative it solutions at the beginning of the next school year (September, 2019);
- to update the EP of the specialty "Computing and software" with the purpose of definition of conformity of training to the realities of the modern labor market and requirements of the relevant organizations and enterprises of the region in the 2019-2020 academic year;
- to determine the content, volume, logic of the relationship of academic disciplines and their impact on the formation of basic and professional competencies of the graduate, taking into account the requirements of employers;
- to strengthen the control of the administration over the maintenance of documents of strict accountability in accordance with the RLA (order №502) where, on specially designated pages, teachers keep records of laboratory and practical, graphic control works and course projects;
- to develop a system of monitoring the quality of training to analyze the achievements of the subject results;
- to develop a system for monitoring the satisfaction of students and managers of enterprises on the results of industrial training and professional practice in the specialty "Computing and software" until the end of the current academic year (June, 2019);
- systematize the work on the use of innovative methods and forms of training in the educational process;
- to carry out course and diploma projects in accordance with the guidelines;
- to update the topics of course and diploma projects in accordance with the current technology accredited specialties;
- to introduce the results of practical achievements of college teachers in the educational process in the new academic year (2019-2020).
- to concretize the content of the plan of development of EP of specialty "Computing and software".

6.3. Standard “Teaching staff and effectiveness of teaching”

- to consider the possibility of increasing the share of practitioners involved in the educational process for teaching special subjects and conducting master classes, seminars, etc. in the new 2019-2020 academic year;

- to develop mechanisms of stimulation and motivation of professional and personal development of college teachers for the new academic year;
- to strengthen control over the selection of personnel taking into account the basic knowledge of the specialty “Computing and software”;
- to intensify the work of the rating system of teachers for the effective management of both the system of professional growth of teachers and the effective management of the quality of educational services;
- to monitor the satisfaction of the teaching staff to improve the efficiency and quality of the educational process of the college;
- to pass advanced training courses for teachers in accordance with the specifics of the disciplines taught at the beginning of the 2019-2020 academic year;
- to create conditions for professional training of teachers of special disciplines at industrial enterprises on the profile of the specialty in the 2019-2020 academic year;
- to increase the number of author's developments to 20% in special disciplines in the 2019-2020 academic year.
- to consider the possibility of international cooperation in the field of improving pedagogical and methodological skills and exchange of experience with foreign colleagues on the use of innovative pedagogical technologies in the 2019-2020 academic year;
- to improve the work of the school of young teachers and mentoring.

6.4. Standard “Students”

- to develop a program to support gifted students;
- to find the possibility of professional certification of students in the field of specialization in the learning process;
- to develop a mechanism for the implementation of standards of professional training of international World Skills Championships on the declared competencies;
- to organize group work and electives in accordance with the specialization;
- to strengthen the work on employment of graduates;
- to develop a mechanism for monitoring the employment and professional activities of graduates;
- to initiate a mechanism to stimulate students to self-education;
- to strengthen the work on career guidance to increase the contingent;
- to strengthen the relationship with alumni is to get them to participate in various activities and to consider the establishment of the alumni association;

- to strengthen the role of student activists in the college in decision-making, as well as in various spheres of public life;
- to improve career guidance using innovative technologies.

6.5. Standard “Resources used in the implementation of educational programs”

- to improve the work of the information system of training “E-College”;
- to expand and equip with modern computer equipment and interactive equipment computer classes for the specialty “Computing and software”;
- to provide Wi-Fi coverage throughout the college for the mobility of teachers and students;
- to improve the work on regular updating of the college website on academic accessibility and consultations, professional orientation of students, as well as to intensify the work on the implementation of distance learning technologies for the individualization of the educational process;
- to consider the possibility of adapting the site for mobile devices, for the convenience and mobility of all stakeholders;
- to systematize work on carrying out an assessment of dynamics of development of material and technical resources and information support of EP;
- to continue work on the replenishment of the book Fund of educational and methodical literature and manuals, as well as electronic textbooks in the state language.

6.6. Standard “Standards in the context of individual specialties”

- to initiate work to attract practitioners with experience in enterprises in the field of specialization of EP;
- to practice holding separate classes at the enterprises of the corresponding specialization;
- to strengthen the relationship with alumni is to get them to participate in various activities and to consider the establishment of the alumni association;
- to provide access to personalized educational resources, as well as resources to assist in the selection and achievement of career paths.

Appendix 1. Assessment table “PARAMETERS of the INSTITUTIONAL PROFILE”

№ p/p	Evaluation criterion	Position of the organization of education			
		Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard "Educational program management"					
1	TVE organization demonstrates the development of the development plan of the EP, its focus on meeting the needs of the state, stakeholders and students.		+		
2	The TVE organization should ensure the adequacy of the development plan of the EP to the available resources, the needs of the labor market and the educational policy of the Republic of Kazakhstan.		+		
3	The TVE organization should involve representatives of groups of interested persons, including students, teaching staff and employers in the formation of the development plan of the EP.			+	
4	The TVE organization demonstrates the transparency of the processes of forming the development plan of the EP. The TVE organization provides stakeholders with information about the content of the development plan of the EP and the processes of its formation.			+	
5	The TVE organization should determine the mechanisms for the formation and regular review of the development plan of the EP and monitoring its implementation.			+	
6	The TVE organization systematically collects, accumulates and analyzes information on the implementation of the EP and conducts self-examination in all directions, develops and revises the development plan of the EP			+	

7	The development plan of the EP is publicly discussed with representatives of all stakeholders, on the basis of proposals and amendments of which the authorized collegial body of the TVE organization makes changes to the project.			+	
8	The TVE organization demonstrates the degree of implementation of the principles of sustainability, efficiency, effectiveness, priority, transparency, responsibility, delegation of authority, differentiation and independence of the financing system.		+		
9	Management of the EP should include:				
9.1	Activity management through processes		+		
9.2	Planning, development and continuous improvement mechanisms			+	
9.3	Monitoring, including the creation of reporting processes to determine the dynamics in the activities and implementation of plans			+	
9.4	Analysis of the effectiveness of changes			+	
9.5	Evaluation of the performance and effectiveness of the units and their interaction			+	
10	The organization of TVE should be documented all the main business processes governing the implementation of EP		+		
11	The TVE organization should demonstrate a clear definition of those responsible for business processes, an unambiguous distribution of the duties of the staff, the differentiation of the functions of the collegial bodies involved in the implementation of the EP		+		
12	TVE organization must demonstrate the procedure for approval, periodic review (revision) and monitoring of educational programs and documents regulating this process			+	
13	The TVE organization has to ensure the existence and effective functioning of the learner-oriented, employees and stakeholders of the information system and feedback			+	
14	The management of the EP should demonstrate the successful functioning of the quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making based on the facts			+	
15	The management of the EP should provide evidence of transparency of the educational program management system			+	

16	The type organization should demonstrate the presence and evidence of intensive use in the processes of op management of the system of collection and analysis of statistics			+	
17	The management of the EP should measure the satisfaction of the needs of the teaching staff, staff and students and demonstrate evidence of the deficiencies identified in the measurement process			+	
18	Management EP should demonstrate evidence of openness and accessibility to students, teaching staff and parents		+		
Total			7	15	

Standard “Specifics of the educational program”

Evaluation criteria: the content of the EP

19	The TVE organization should demonstrate the presence of the developed models of the graduate of the educational program, including knowledge, skills, basic and professional competence, personal qualities			+	
20	TVE organization must provide evidence of the participation of the teaching staff and employers in the development of EP, ensuring their quality			+	
21	The organization of TVE should determine the content, volume, logic of the relationship of academic disciplines, as well as the impact of disciplines, industrial training and professional practice on the formation of basic and professional competencies of graduates			+	
22	The manual of the EP should demonstrate the presence of professional context in the content of academic disciplines		+		
23	The manual of the EP should demonstrate an effective balance between theoretical and practice-oriented disciplines			+	
24	The list and content of disciplines should be accessible to students. Disciplines should comprehensively cover all the issues and problems existing in the teaching field			+	
25	The structure of the educational program should provide for various 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 updatability of educational programs taking into account the interests of employers			+	

Evaluation criteria: individualization of EP					
27	Management of the EP should ensure equal opportunities for students, including regardless of the language of instruction		+		
28	The management of the EP should ensure the availability and effective functioning of a system of individual assistance and counseling students on the educational process			+	
29	The management creates conditions for effective development of EP			+	
30	The management of the EP should demonstrate the use of the benefits, individual characteristics, needs and cultural experience of students in the implementation of the EP			+	
31	Management of the EP should demonstrate individual support for students in the implementation of the EP		+		
32	The management of EP has to prove existence of system of monitoring of achievements of the trained		+		
Evaluation criteria: evaluation of students' results					
33	The management of the EP should ensure that an objective, accurate and comprehensive assessment of learning outcomes is in place and effectively functioning		+		
34	Management of the EP should ensure the objectivity of evaluation of learning outcomes and the degree of formation of basic and professional competencies of students, transparency and adequacy of tools and mechanisms for their evaluation			+	
35	The management of the EP should ensure that the procedures for assessing the level of knowledge and skills of students are consistent with the planned learning outcomes and objectives of the program			+	
36	Management EP should diagnose the knowledge and skills of students at the beginning of training on the course and study of academic disciplines			+	
37	Processes and criteria for evaluating learning outcomes should be transparent			+	
38	The leadership of the EP should ensure the formation of students ' skills to continue learning at the following educational levels			+	
Evaluation criteria: teaching methodology					
39	The management of the EP should ensure the systematic development, implementation and effectiveness of			+	

	active teaching methods and innovative teaching methods				
40	In the implementation of the educational program should be monitored independent work of the student		+		
41	The management of the EP should provide the opportunity to undergo industrial training and professional practice in the specialty/qualification of students and monitor the satisfaction of students, heads 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			+	
Total			6	18	
Standard “Teaching staff and effectiveness of teaching”					
43	To implement educational programs, the management of the EP should involve practitioners and determine the proportion of 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 compliance of the personnel potential of the teaching staff with the specifics of educational programs			+	
46	The TVE organization should demonstrate the availability of information about the teaching staff to the public		+		
47	The management of EP should provide monitoring of activity of pedagogical collective, a systematic assessment of competence of teachers, a complex assessment of quality of teaching			+	
48	The workload of teachers should include various activities. EP leadership must demonstrate evidence of completion teachers of all kinds of scheduled load		+		
49	The leadership of the EP should provide targeted actions for the development of young teachers			+	
50	The management of the EP should demonstrate mechanisms to stimulate the professional and personal development of teachers and employees			+	
51	The management of the EP should ensure monitoring of satisfaction of the teaching staff			+	
52	The management of the EP should demonstrate the 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 society		+		
Total			3	8	
Standard “Students”					
54	The management of the EP should demonstrate the policy of formation of the contingent of students of the EP and the transparency of its procedures		+		
55	Management of the EP should demonstrate awareness of the main roles (professional, social) of students based on the results of training		+		
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 support programs for gifted students.			+	
58	The management of the EP should make maximum efforts to provide graduates with employment and maintain communication with graduates			+	
59	An important factor is the monitoring of employment and professional activity of graduates			+	
60	The management of the EP should actively encourage students to self-education outside the main program (in the framework of extracurricular activities)			+	
61	The EP guide should provide an opportunity for learners to exchange and Express opinions			+	
62	The management of the EP should create a mechanism for monitoring the satisfaction of students with the activities of the TVE organization in general and individual services in particular		+		
63	The management of the EP should demonstrate the functioning of the feedback system, which includes the rapid presentation of information on the results of the evaluation of learning outcomes			+	
Total			3	7	
Standard “Resources used in the implementation of educational programs”					
64	The EP guide should ensure that students have access to the maximum possible amount of structured, organized information on the subjects taught: for example, presentation materials, lecture notes, mandatory and additional literature, practical tasks, 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 requirements of safety in operation			+	
66	TVE organization creates a learning environment that promotes the formation of basic and professional competencies and takes into account the individual needs and capabilities 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 any other way in practice			+	
68	The organization of TVE should assess the dynamics of development of material and technical resources and information support of EP			+	
69	The organization TVE must be created learning environment EP, 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 advice – there are personalized educational resources that help students			+	
69.4	professional orientation – students have access to personalized educational resources that assist in choosing and achieving career paths			+	
69.5	the required number of classrooms equipped with modern technical training facilities that meet sanitary and epidemiological standards and requirements			+	
69.6	the required 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 languages of education			+	
69.8	free access to educational Internet resources			+	

70	The management of the EP should determine the degree of introduction of information technologies in the educational process of the EP, monitor the use and development of innovative teaching technologies by the teaching staff, including on the basis of ICT						+	
71	The manual of the EP should demonstrate the reflection on the web resource of information characterizing the EP						+	
Total				2			13	
“Standards in the context of individual specialties”								
Education								
72	Educational programs in the direction of "Education", such as "pre-School 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 graduates of the program have practice-oriented knowledge in the field of psychology and skills in communication, analysis of personality and behavior, methods of conflict prevention and resolution, motivation of students							
72.2	The management of the EP should demonstrate the literacy of graduates of the program in the field of information technology that meets the requirements of the educational sphere, the widespread use of information and communication technologies in educational institutions							
72.3	The management of the EP should demonstrate the presence in the program of disciplines that teach the organization of the educational process, innovative methods of teaching and training planning, including interactive teaching methods							
72.4	EP leadership must demonstrate the availability of students ' skills formation-learning skills							
72.5	The management of the EP should demonstrate that it has a clear, reasonable analysis and facts about what specialties (qualifications) and skills within certain specialties are in demand in the market, what is the approximate number of specialists required in the market for the taught specialty and give examples of successful employment of most of the graduates in the specialty (qualifications) in the first six months after							

	completion of training				
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Social sciences, services, economics, business and law

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 meet the following requirements: the leadership of the EP should guarantee access to the most modern and relevant data (statistics, news, scientific results) specialization in paper (Newspapers, statistical data collections, textbooks) and electronic media				
74	EP in the areas of "Social sciences, economics and business" and "Law" should also meet the following requirements:				
74.1	goals and results of the EP should be aimed at obtaining specific skills that are in demand in the labor market				
74.2	the management of the EP should demonstrate that 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 aimed at obtaining practical experience of students in the application of theoretical knowledge, such as industrial practice, training in enterprises, participation in lectures and master classes of practitioners, etc.				

Natural and technical sciences

75	Educational programs in technical areas, such as "metallurgy and engineering", "Communications, telecommunications and information technology", "Production, installation, operation and repair (by industry)", "Communications, telecommunications and information technology", etc. must meet the following requirements:				
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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 core disciplines in particular, including					+	
75.1.1	excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, etc.)					+	
75.1.2	conduct individual classes or entire disciplines in the enterprise specialization					+	
75.1.3	the use of workshops for practical training, solving practical problems relevant to enterprises in the field of specialization, etc.					+	
75.2	The teaching staff involved in the OP should include practitioners with experience in enterprises specializing in the EP.					+	

Art

76	Educational programs in the direction of "Art and culture", such as "Socio-cultural activities and folk art (by profile)", "Instrumental performance and musical art of the stage (by types)", "Painting, sculpture and graphics (by types)", "Theory of music", etc., must meet the following requirements						
76.1	The leadership of the EP should demonstrate that graduates of the program have theoretical knowledge in the field of arts, practical skills and self-expression through creativity, such as modeling, drawing, singing, etc.						
76.2	The leadership of the EP should demonstrate the students' skills of self-learning and self-development, the ability to work in the field of art						
76.3	The EP should include the maximum possible number of disciplines and activities in which skills are taught to learners individually or in small groups, such as master classes of honored workers of the field of specialization						
76.4	The management of the EP should organize for students the maximum possible number of events that contribute to the demonstration of students, acquired creative skills, such as concerts and exhibitions						
76.5	EP should contribute to the enrichment of creative experience in different types of practice, characteristic of the specialty						

76.6	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 EP should include disciplines and activities aimed at obtaining practical experience and skills in the specialty in general and core disciplines in particular, including:				
76.6.1	excursions to enterprises in the field of specialization (museums, theaters, design offices, etc.)				
76.6.2	conduct individual classes or entire disciplines in the enterprise specialization				
76.6.3	conducting seminars to solve practical problems relevant to enterprises in the field of specialization, etc.				
76.7	An important factor in the OP is the presence of a mechanism for peer review of creative examination works of students				
Total				5	
In total			21	66	

