



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТИҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

# REPORT

about the results of the work of the external expert commission for evaluation for compliance with the requirements of institutional accreditation standards

Specialty 0705000 :Underground mining of mineral deposits”

Specialty 0706000 “Open development of mineral deposits”

Specialty 0709000 “Enrichment of minerals (ore enrichment)”

Specialty 0712000 “Construction of underground structures”

The SPE "Khromtau Mining and Technical College" from "06" to "09" June 2018

Khromtau 2018

**INDEPENDENT AGENCY OF ACCREDITATION AND RATING**

*External expert commission*

*Addressed to*

*Accreditation*

*advice of the IAAR*



Независимое агентство  
аккредитации и рейтинга

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JSC «RSMC»	Joint Stock Company "Republican Scientific and Methodological Center"
JSC	Joint Stock Company
AWP	Automated workplace
AMS	Administrative and managerial staff
AEP	Administrative and economic part
HEI	Higher educational institution
EW	Educational work
SAC	State Attestation Commission
SGESE	State general educational standard of education
SEB	State Examination Board
SI	State institution
GP	Graduation project
APE	Additional professional education
oth.	others
DEAR	Department of Education of Aktobe Region
IT	Information Technology
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
MTB	Material and technical base
GED	General educational disciplines
EP	Educational program
ALPP	Assessment of the level of professional preparedness
TS	Teaching Staff
SCC	Subject-cycle commission
RK	The Republic of Kazakhstan
WC	Working curriculum
REMA	Republican Educational and Methodological Association
art	Article
un.	Unit
t.l.	the like
TVE	Technical and vocational education
SC	Sample curriculum
LLC	Limited Liability Company
TSS	Training and support staff
TMC	Training and methodology complex
EMW	Educational-methodical work
ac.y.	Academic year
KMTC	Khromtau Mining and Technical College
EPW	Educational and production work
AW	Academic work

## II INTRODUCTION

In accordance with the order of the year of the Independent Agency for Accreditation and Ranking in the SSE "Khromtau Mining and Technical College", with the type of activity of the TVE, an external expert commission (VEK) visited. From June 7 to June 9, 2018, the conformity of educational programs was assessed. Specialty 0705000 "underground mining of mineral deposits, Specialty 0706000" open mining of mineral deposits ", Specialty 0709000" mineral processing (ore-enrichment) ", specialty 0712000" construction of underground structures " the standards of specialized accreditation of 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 NAAR, the recommendation of the WEC for the further improvement of educational programs and the profile of the educational programs in the State Educational Institution "Khromtau Mining and Technical College".

The composition of the EEC:

1. Chairman of the Commission - Salimgreeva Gulnar Khamitovna, she is a deputy Director for educational work of "College of Agribusiness" Chaglinka of the Zerendinsky district "(Akmola region);
2. Foreign expert - Sosnin Vyacheslav Viktorovich, he is a Director of the center "Soyuz" (Omsk, Russian Federation);
3. Expert - Kharsky Evgeny Sergeevich, he is a deputy Director for educational and methodical work of the State Enterprise "Ridder Agrarian Technical College" (Ridder);
4. Expert - Musina Gaukhar Kafarovna, she is the teacher of special. disciplines "North Kazakhstan Vocational and Pedagogical College" (Petropavlovsk);
5. Expert - Syzdykova Aigul Shayakhmetovna, she is a director of Polytechnic College of Corporation "Kazakhmys" (Balkhash town);
6. Expert - Abdayev Marat Abdilkasimovich, he is a deputy director for training and production work of the "Zhitikarinsky Polytechnic College" (Zhitikara);
7. Expert - Perezhnyak Elena Yuryevna, she is the head of the mining department of KGBE "Ekibastuz Polytechnic College" (Ekibastuz);
8. Expert - Ivanova Natalia Ivanovna, she is the teacher of special. disciplines of "Rudnenskiy Social and Humanitarian College named after I. Altynsarin" (Rudny);
9. An observer from the Agency - Dinara Bekenova, she is the head of the project on the accreditation of organizations of the T&VE IAAR (Astana);

10. The employer - Bystrova Olga Vasilievna – she is the head of bureau №2 on work with personnel of Human Resources Management of Don mining and processing plant of the Branch of Kazkhrom JSC (Khromtau);

11. Student-Mukhtarov Begzat Amantayuly, he is a 2nd year student on specialty 1201000 "Maintenance, repair and operation of motor transport" from Aktobe Polytechnic College (Aktobe).

#### **(I) REPRESENTATIVE OFFICE OF EDUCATION ORGANIZATION (1-3 pages)**

➤ The SCC "Khromtau Mining and Technical College" was registered by the Justice Department of the Khromtau district of the Justice Department of the Aktobe region on September 4, 2012. It provides services in the field of technical and vocational education, training specialists on the basis of 9 and 11 classes. After graduation, the graduate is given a state diploma.

➤ Legal address: Republic of Kazakhstan, 031100 Aktyubinsk region, Khromtau, E. Batyr str. 9. tel. 8 (71336) 21046

➤ e-mail-khromtau\_hgtk@mail.ru

➤ college website: <http://hromtau-hgtk.kz>

➤ The educational institution has been involved in educational activities since 1979.

➤ The first graduation was held in 1983.

➤ GPTU-105, PTU-9, ПИИ-4, ПЛ-4, ХГТК - all these are milestones in the creation, formation, development and raising of the professional educational institution in Khromtau, Aktobe region.

The college works on the basis of state licenses No. 12016326 of November 15, 2012 and attachments to it and prepares training in the following specialties: 0705000 Underground mining of mineral deposits; 0706000 "Open development of mineral deposits"; 0709000 "Enrichment of minerals (ore enrichment)"; 0712000 "Construction of underground structures"; 1201000 "Maintenance, repair and operation of motor transport"; 0508000 "Catering organization"; 0518000 "Accounting and audit (according to branches)"; 1114000 "Welding".

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

The SPE "Khromtau Mining and Technical College" for the first time undergoes the procedure of specialized accreditation of TVE organizations.

Educational and upbringing work is conducted by a highly qualified teaching staff, which includes experienced teachers who pay great attention to improving the forms and methods of teaching, the upbringing of the younger generation. Teaching staff as of 01.01.2018. - 72 people,

including 60 full-time teachers and masters of industrial training (83.5%) and 12 part-time employees in the college. Of the total number of teachers and masters of industrial training, 25 people have the highest qualification category (34.7%), the first - 10 people (13.8%), the second - 22 people. (30.5%), without a category - 15 people. (20.8%), masters - 3 people, candidate of pedagogical sciences - 1. It was shown that at present 8 teachers are training in magistracies in the field of study. Structural units that provide a high-quality organization of educational and administrative work are listed in the staff list approved by the Regional Department of Education.

Admission of students is carried out under the state educational order and on a contractual basis with full reimbursement of training costs.

The training is conducted in Russian and the state languages in full-time, part-time forms of training, using the dual system of training, and also in the framework of the experiment on the modular-competence approach.

There are four departments in the educational institution: "Mining" department; department of "Electrical Engineering and Power Supply"; department of "Enrichment and new technologies" and correspondence department. There are five cycle methodical commissions in the college.

## **II DESCRIPTION OF THE VISIT OF THE EEC (1-2 pages)**

The work of the EEC was carried out on the basis of the visit Program of the expert Commission on institutional and specialized accreditation of educational programs in the state enterprise "Khromtau mining and technical College", in the period from 06 to 09 June 2018..

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 SD, deputy. Director for BP, Deputy. Director for the Department of Human Rights, deputy. Director for NMR, Deputy. director for AHCH, head. the training part, the senior master, the head of the departments, the chairmen of the CMC, the manager of the state. procurement, head of the personnel department, methodologist, chief accountant, accountants, human resources inspector, librarians, teacher-psychologist, social pedagogue, responsible secretary of the admission committee, teacher-organizer, teachers, staff, students, alumni, employers and parents of students. In total, 222 people took part in the meetings.

Table 1. Information about employees and students who took part in the meetings:

Category of participants	Amount
Director	1
Deputy Directors	4
Chairmen of the cycle commissions	4
Heads of departments	4
Chief Accountant	1
Head of Human Resources Department	1
Teachers	35
Librarian	1
Students	45
Graduates	35
Social partners	22
Parents of students	57
Total	222

Members of the EEC visited the bases of practices of the Don mining and processing enterprise. Introductory instruction on TB was conducted by the lead engineer for TB Sultanova RB. When visiting the Molodezhnaya mine, a meeting took place with the director A.T. Suyontayev. Head of the section of tunneling and treatment works No.1 Ermakov VS in the class of technical training presented to the members of the VEC "Schedule of dual training" for 2nd year students of group 201 of specialty 0705000 "Underground mining of mineral deposits". The main power engineer of Molodezhnaya mine, Dalmagambetov A. In repair and mechanical workshops held a lesson for students of the 201 group of specialty 070500 "Underground mining of mineral deposits" on the topic: "Replacement of brake bands of winch LZ-55." At the ore dressing and pelletizing plant, on the site of crushing, the master of the site is Selenova S. C held an activity on the topic: "Acquaintance with transport installations at the site of crushing." According to the training schedule for production training at the crushing and dressing factory, Deputy Chief Engineer Berdak AA, the group 203 specializing in 0709000 "Mineral processing (ore enrichment)" was conducted, who noted that this training system makes it possible to recruit adapted and qualified specialists.



The management of the company also participates as a qualification commission for final qualifying examinations.

During the visit to the repair shop No. 2, a conversation was held with the repair master Apetov K.P., who is the tutor of the training group 303 Tyshana A.N., specializing in Welding. Analysis based on the results of the conversation showed that the student Tyschen A.N. is satisfied with the process of passing the production practice, and the master of the quality of the performance of electrogas.

A group session 203 (b), 2 courses, specialty "Enrichment of minerals" (ore enrichment), in the discipline "Enrichment of minerals", on the topic "The final lesson" was attended. This discipline was conducted by the teacher of the highest category, Urazbayeva GN, 23 students from 25 attended the lesson. The programs fully corresponded to the individual plan. Due to the use of the technology of development of critical thinking by the teacher, students actively participated, independently performed practical tasks, answered questions.

A group 104 course is held, specialties: 0712000 "Construction of underground structures", in the discipline "Chemistry" on the theme "Koryndydy baqalau zhymysy". The combined lesson was conducted by the teacher of the 1st category Uteupova AK, where 19 students from 26 attended. The lesson corresponds to the goals set, the teacher uses personal-oriented technology and elements of critical thinking.

A group of 103 students of the 1st year of the specialty "Open mining of mineral deposits" attended the subject "Kazakh literature" of the teacher of the second category Sagdatova RN. on the topic "Zhambyl Zhabaev" takyrybynda kandelikt Sabak zhospary ", attended 23 students from 25. In the lesson, the teacher uses Internet resources, using the Internet in a lesson when learning new material makes the lesson more interesting, increases the motivation of students to gain knowledge.

In the classroom, teachers use a variety of learning technologies. Systematically improve the qualification. The analysis of the teaching staff of the college testifies to the team's desire to improve the qualitative development of the college.

During the work of the VEC, a visual inspection of the college infrastructure was carried out: classrooms, laboratories, computer classes, a library, a reading room, a gym, a medical center, and food points.

The documentation of the cycle commissions, departments implementing accredited educational programs was also studied.

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

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

During the visit of the WEC, the collected data show that the overwhelming majority of students (85.5%) are fully satisfied with informing students about courses, educational programs, and academic degrees. At the same time, the overwhelming majority of teachers believe that the mission and strategy of the college are successfully reflected in the curricula (very well 58.5% and, well, 41.5%) and evaluation procedures (very well 63.4% and well 34.1%) Also, 100% of teachers said that they can successfully use their own strategies in the learning process. At the same time, 94.5% of the students surveyed are satisfied with the overall quality of the curricula and 100% with the teaching methods in general.

The objectives of the development plan for the OP on specialties: 0705000 "Underground mining of minerals, 0706000" Open development of mineral deposits ", 0709000" Mineral processing (ore-enrichment) ", 0712000" Construction of underground structures ", standards of specialized accreditation IAAR correspond to the mission, strategic plan , goals and objectives of the college. The mission, strategic goals and objectives are reflected in the Strategic Development Plan of the College for 2018-2025 approved by the Director of the College on April 21, 2018. It serves as a fundamental document, in accordance with which the tactical (for 3 years), the operational (annual) and the current (monthly) planning of the activities of the college are carried out. A systematic assessment of the mission, goals and objectives of the college is carried out by the pedagogical council on the basis of the results of the work for the year and the results of the implementation of the strategic plan.

When developing the development plan, the EP takes into account the needs of the labor market.

The qualities that a student must possess, those knowledge, skills and habits that are used in practice, are discussed on the board of trustees with the involvement of social partners, and thus each instructor in the specialty is given a direction in the preparation of the future specialist.

Representatives of all stakeholder groups were involved in the formation of the development plan for the EP:

students through student self-government;

employers through discussion of the main directions of development and labor market needs in the region at a meeting of the Teachers' Council;

pedagogical team through discussion of the main directions of development at the meetings of the SCC and the methodological council of the college.

pedagogical team through discussion of the main directions of development at the meetings of the SCC and the methodological council of the college.

Transparency of the processes of formation, modification and implementation of the development plan for the EP is ensured through informing interested persons on the official website of the college, through discussion at the meetings of the CMC, the methodological council, the Pedagogical Council. Report materials on the implementation of the development plan for the OP are considered at all levels of the management structure (at the meetings of the CMC, MC, PS).

The adequacy of the development plan for the EP is confirmed by an analysis of the staffing structure. The implementation of the accredited specialties is carried out by a qualified teaching staff.

Among the staff teachers, have experience working teachers of special disciplines that came from production: Ustabayev K.K, Schmidt V.A, Urazbaeva G.N, Duskiyev NE, Mukasheva G.Zh., Zhumabaeva D.K , Aitekshov AA and etc.

The organizational structure of the college management has a well-defined hierarchy, balanced to transfer certain powers to the lower levels of management in order to ensure the participation of all units in the implementation of the vision, mission, implementation of the strategic plan of the college.

The functioning of the information system, the provision of operational information and feedback is carried out through the information resources of the Internet on the official website of the college [hromtau\\_hgtk@mail.ru](mailto:hromtau_hgtk@mail.ru), "VK", Instagram, Facebook, through the media group in WhatsApp, also on the college website you can get acquainted with the strategic and the tactical plan for the development of the college, with the content of plans for the development of the OP and the changes introduced, with external and local acts regulating the implementation of the development plan for the EP, the results of the intermediate and final certification training schihsya.

EEC conducted a series of meetings, interviews and interviews with the director, deputy directors, the chairman of the CMC, employees of structural units, students, teachers, representatives of employers' organizations and graduates, parents of students, and also carried out a survey of students and teachers, material and technical and information-methodical resources.

The questionnaires of teachers, conducted during the visit of the NAEC of the NAEC, showed that involvement in the process of making managerial and strategic decisions is 100%.

Analyzing the work on the standard "Management of the educational program", it can be noted that the success of the educational program is determined, first of all, on the planned, purposeful and effective implementation of the goals and the development plan of the educational program, which are as transparent as possible, accessible to all interested persons.

**EEK 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 ensures 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;

- the organization of the TVE determines the mechanisms for the formation and regular revision of the development plan for the EP and for monitoring its implementation;

- 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

**EVE organization is making changes to the draft;**

- management of the EP includes mechanisms for planning, development and continuous improvement;

- the organization of the TVE ensures the availability and effective functioning of the information and feedback system aimed at trainees, employees and stakeholders.

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

- Develop and implement the procedure of the internal quality management system (monitoring and evaluation of the quality of the activities of the collegial bodies of structural units, employees, teachers, administrative and managerial staff of the college)

**EEK notes that the specialized profile of the college on this standard contains 11 - strong and 9 - satisfactory positions and 2 positions need improvement.**

### **Standard "Specificity of educational programs"**

The expert group analyzed the EP in the course of which the EEC determined that the work curricula and working curricula are compiled in accordance with standard curricula and standard curricula approved by the orders of the Ministry of Education and Science of the Republic of Kazakhstan No. 312 of July 29, 2014, No. 384 of June 15 2015, No. 72 dated January 22, 2016.

Also, the analysis of working curricula and programs to improve their content in connection with the changes in practical training, taking into account laboratory and practical exercises, accounted for 58% of the total amount of study time.

On the specialties "Underground mining of mineral deposits", "Open mining of mineral deposits", Specialty 0709000 "Mineral processing (ore-enrichment)", "Construction of underground structures" from 2011-2012 academic year introduced dual training system. The dual system of training functions successfully, as the EEC has received confirmation at a meeting with social partners and employers. In addition, the fact of receiving certain grades of grade by senior students at enterprises also attests to this. The following specialties pass through the dual system of education:

0705000 "Underground mining of mineral deposits" - the term of training 3d.10mes.  
Qualification: 0705113 technician -technologist,

0705000 "Underground mining of mineral deposits" - duration of training 2d.10mes.  
Qualification: 0705022 underground miner,

0707000 "Maintenance and repair of mining electromechanical equipment" - training period 3g.10. Qualification: 0707193 electromechanic,

0709000 "Enrichment of minerals (ore-enrichment)" on the basis of the basic secondary education - the term of training is 3.10., Qualification: 0709183 technician-technologist.

To pass the practical part of training in production, students are supplied with overalls, acquired by the forces of the college and social partners. For the implementation of dual training, tripartite agreements were concluded with the JSC "Donskoi Mining and Processing Enterprise" JSC "On cooperation in the implementation of the dual training system". Dual training in the 2017-2018 academic year covered 77 people.

The schedule of the educational process for dual training is developed taking into account the specifics of the enterprise and the requirements for the competency and qualification of the trainee in accordance with the recommendations of the RSE "RSMC" MES RK.

At the same time, there are real progress in introducing new modular-competence programs developed by the Kasipkor holding. In this connection, several people of teachers of these specialties underwent further training at the courses of NJSC "Holding Kasipkor".

Within the framework of the module-competence approach, programs are implemented in the following specialties:

1.0705000 "Underground mining of mineral deposits"

on the basis of the basic secondary education - the term of study is 3.10.

Qualifications: 0705141 - sinker

0705022 - underground miner

0705113 - Technologist-technologist

2. 0706000 "Open development of mineral deposits"

on the basis of the basic secondary education, the term of study is 3.10.

Qualifications: 0706221 - Miner section

0706012 - Excavator driver

0706203 - Technologist-technologist

3. 0712000 "Construction of underground structures"

on the basis of general secondary education - the period of study is 2 years. 10mes.

Qualifications: 0712062 - underground miner

0712022 - sinker

0712093 - construction technician

4. 0707000 "Maintenance and repair of mining electromechanical equipment"

on the basis of the basic secondary education - the term of study is 3.10.

Qualifications: 0707012 - electric underground mechanic

0707112 - electrician for repair and maintenance of automation and measuring instruments

0707193 – electromechanics

The most significant stages from the position of forming professional competencies are the analysis of requirements and marketing research (the definition of professional competencies in accordance with the State Educational Standards of the Republic of Kazakhstan and the requirements of employers, the availability of a graduate model). Each model of the graduate of the educational program, includes knowledge, skills, skills, competences, personal qualities. The qualification obtained after the completion of the educational program is determined and fixed in the graduate model. The very model of the graduate is formed and brought to applicants for admission to college.

Questioning of students, conducted during the visit of the IAAR EEK, showed that

-the level of accessibility and responsiveness of management is estimated as high -90.9%;

-accessibility for counseling on personal issues is estimated at -87.3%;

- level of satisfaction with the educational resources of the college - 89.1%.

Strengths of the EP are:

-participation of the teaching staff in the development of the EP;

-the effective balance between theoretical and practice-oriented disciplines;

-functioning of the system of individual assistance and counseling of students in the field of EP;

-the system of monitoring the achievements of students.

-Introducing the results of practical achievements of teachers.

**Weak sides of the EP are:**

- There is a systematic work to adjust the EP in accordance with changes in the labor market and the requirements of the employer.

- Considering the experience of implementing the dual system of training, it is necessary to consider the transition to this system and other specialties.

In order to further develop and improve the activity of the college in the implementation of the accredited educational programs of the EEC IAAR

**Recommends:**

- ensure the systematic development, implementation and effectiveness of active teaching methods and innovative teaching methods, it is advisable to use the basic functions of the interactive whiteboard and multimedia podium using specialized software tools;

- continue work on expanding the list of modern software used in the educational process;

**EEK notes that the specialized profile of the college in this standard contains 19 strong positions, 5 - satisfactory.**

**Standard "Pedagogical collective and teaching effectiveness"**

Personnel policy in the college is carried out in accordance with the main priorities of the College Development Strategy and correspond to the current trends in the field of work with human resources. Personnel selection is carried out according to the order of the Minister of Education and Science of the Republic of Kazakhstan dated July 13, 2009 No. 338 qualification requirements by interview and resume study. Employment is carried out by concluding an employment contract in writing in two copies, each of which is signed by the director and the employee. The employment contract stipulates the conditions stipulated by the Labor Code of the Republic of Kazakhstan: the regime and duration of working hours, the volume of workload, benefits, compensation, rights and obligations of the parties. The college needs in the states are determined by the total number of hours of training load. Every year, the college clearly determines the calculation of the load for different categories of teachers, from which the staffing table is determined.

In pursuance of the Law of the Republic of Kazakhstan "On Education" and the order of acting. Minister of Education and Science of the Republic of Kazakhstan from January 8, 2016 No. 9 "On the Approval of the Rules of Pedagogical Ethics", the Rules of Pedagogical Ethics

were adopted at the college, which guide pedagogical workers and follow the requirements of professional ethics.

Compliance with the norms of professional ethics in relations at all levels is within the individual responsibility of each teacher. The norms and rules of professional ethics in the college are reflected directly in the collective agreement, the Internal Regulations, the instructor's job instructions, which apply to the entire teaching staff and with whom all are familiarized.

Total staff of pedagogical workers in specialty 0705000 "Underground mining of mineral deposits", 0706000 "Open development of mineral deposits", 0709000 "Mineral processing (ore enrichment)", 0712000 "Construction of underground structures", 41 people, including 13 teachers of special minerals disciplines. The proportion of full-time teachers is 90% of the total number of pedagogical staff of the EP, employees who work part-time are 10%. human.

The share of employees with higher education is 95%, among them 5% - teachers who have the degree of "Master" and "Candidate of Pedagogical Sciences".

The average age of the teaching staff is 38 years. Share of pedagogical workers aged:

- 60 years old - 7%,
- from 45-60 years - 17%,
- from 30-45 years - 54%
- up to 30 years - 14%.

The basic part of engineering and pedagogical workers (39%) have a pedagogical experience of work over 16 years, from 6-10 years - 15%, from 11-15 years - 15%, up to 5 years - 31%. There is rejuvenation of the collective. The share of workers in the trainee group over 16 years suggests that the college accepts teachers with knowledge of luggage and professional skills.

The share of teachers and masters of industrial training, having the highest, first category, the Master's and the candidate of pedagogical sciences is 63% of the number of full-time employees. The qualitative composition of the teachers of this educational program for 3 years is as follows: 2015-2016 academic year - 58%, 2016-2017 academic year - 59%, 2017-2018 - 61%. There is a growing trend of the availability of qualification categories for teachers with a higher and a first category.

To improve the quality of teaching, to ensure a close relationship with production, the teaching process involves practitioners with experience in relevant industries.

The selection of teachers-practitioners is carried out from among those specialists who, by their professional training, can skillfully conduct classes with students, combining theoretical material with real practice, close to modern production reality, introduce effective methods and means of professional information and counseling.



The educational institution promotes the provision of effective assistance to young professionals in professional and social adaptation. In order to adapt the young teachers, training is organized in the School of a Young Teacher. In the framework of the School, trainings, shows, master classes, business and role plays are held.

The policy of training one's own cadres, from among college graduates, provides an opportunity to work in the college as masters of industrial training combining studies in higher education institutions by a related specialty.

Among the staff teachers who have experience in the relevant industry, it is necessary to mention Konstantin Ustabayeva, A.A. Aitekshova, G.N. Urazbaeva, V.A. Shmidt, Dzhumabaev D.K, Karagulova T.S, Mukashev G.Zh.

The share of practitioners, out of 13 teachers of special subjects of the educational program, in the college is currently about 54%.

In order to monitor the activities of the pedagogical staff of the CMC, to meet the qualification requirements, in-College monitoring is carried out, an evaluation of the activity of teachers is used.

Comprehensive information on the activities of the pedagogical staff of the CMC, management receives through systematic visits to current and open classes of teachers. Teachers do a self-examination of their studies. At the end of the school year, reports on attendance of open classes by teachers are submitted to the method library.

The level of competence of the teacher is also determined when monitoring the teaching and methodological documentation, the individual teacher's plan, which guarantees the quality of the educational process. All the above forms of work allow us to identify the professional competencies of teachers.

Work to monitor the activities of the teaching staff of the CMC is carried out throughout the school year.

During the whole academic year, teachers are engaged in various types of pedagogical activity. The workload of teachers includes not only the workload, but also such types of work as: the preparation of working curricula, calendar-thematic plans, the writing of written papers (tests, practical tasks, creative work of students), presentations at meetings, participation in competitions, conducting open classes, extra-curricular activities, mutual visits of colleagues, raising the level of qualification, work on self-education.

The high level of skill and creative activity of the pedagogical collective is evidenced by the representation of workers for the awarding of departmental insignia and state awards. Thus, the Medal of the Ministry of Education and Science of the Republic of Kazakhstan "Eren ebegi yshin" (Ustabayev KK-2016), "Bilim kyzmetkulerini kosipodoyna siiirgene ebegii yshin"

(Muldasheva BK-2016), "Army generals S..Normaanbetov" (Begimbayev A. (Begimbaev A.U.-2017), "Kazakhstan patriots" (Begimbaev A.U.-2017), "Bilimge zor ýles kosqany ýshin" (Muldasheva B. K., Birzhanov M.K., Ergazin R.S.), "Patriotty zhnez azmatti belsendilihi ýshin" (Keukenova G.N., Beketova R.A., Amangaliyeva A.E.), honorary diploma of the Ministry of Education and Science of the Republic of Kazakhstan ( Birzhano in M.K., 2016, Urazbaeva G.N., 2016, Utenova A.K., 2017, Beketova R.A., 2017). A letter of gratitude from the Vice Minister of the Ministry of Education and Science of the Republic of Kazakhstan and the World Bank of Development in 2017 was handed to R.A. Beketova. and Amangaliyeva A.E.

The title of "Best Teacher-2016" from Akim of Aktyubinsk Oblast was received by B.K.Muldasheva. (2016)

Diplomas of the Education Department of the Aktyubinsk region and the regional scientific and practical center were awarded to Apetov K.P., Duskiireev N.E., Kagirova O.V., Bisenbaeva M.R., Taltanova A.A., Birzhanova S.A., Amangaliyeva A.E, Beketova R.A., Utenova A.K., Mukasheva G.Zh., Kagirova G.N.

The Master's Degree has 2 teachers and 1 continues to receive Master's degree at the Kazakh University of Communications. According to the development plan of the personnel potential, further training is also carried out through:

- course preparation on the basis of the Aktyubinsk branch of the National Center for Advanced Training "Yarleu", the Center for Professional Education "Holding" Kusipkor ", JSC" Republican Scientific and Methodological Center for the Development of Technical and Vocational Education and Qualifications ", UPA" Turan-Profi ", " Danaly " оқу - bilim орталығы ", etc .;

- internships of teachers in the workplace, courses organized by special organizations in the field of special disciplines;

- participation in conferences of international, republican, provincial levels;

- generalization and dissemination of advanced pedagogical experience;

- work in city, regional, republican seminars, pedagogical readings;

- participation in competitions of professional skills, etc.

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- participation in conferences of international, republican, provincial levels;

- generalization and dissemination of advanced pedagogical experience;

- work in city, regional, republican seminars, pedagogical readings;

- participation in competitions of professional skills, etc.

In 2016 - 2017 academic year, the teachers of CCC passed training courses on the application of the program "AutoPlay". In the 2017 - 2018 academic year, the teachers of the CCC attended training courses on the use of the interactive whiteboard "SmartNotebook" in the classroom.

According to the Regulations on the Development of Professional Skills and Pedagogical Excellence, developed in accordance with the Law of the Republic of Kazakhstan "On Education" and the Rules for the Organization and Implementation of Teaching and Methodological Work, teachers are provided with refresher courses at least once every 3-5 years.

The pedagogical staff of the college takes an active part in the public life of the city, the region and the republic as a whole. Teachers take part in city events every year: the celebration of Nauryz, May 1 - Day of Unity of Peoples, May 9 - Victory Day, student spring, charity events, participation in amateur performances, etc. Educators and members of administrative and managerial staff are also actively involved in the work social and political life of the country, city and region.

Information about the completion of the courses for the upgrading of teachers and masters of industrial training.

Information about the completion of the courses for the upgrading of teachers and masters of industrial training

in 2015-2016 academic year - 8 teachers, which is 20% of the total number of teachers;

in the 2016-2017 academic year - 12 teachers, which is 27% of the total number of teachers;

in 2017-2018 academic year -35 teachers, which is 80% of the total number of teachers.

International training courses and teachers and masters of industrial training

1. TURKEY. Within the framework of the project "Training for Teachers of TVE", organized by the Turkish Agency for Cooperation and Coordination under the Government of the Republic of Turkey jointly with the Ministry of National Education of the Republic of Turkey - 12 teachers

2. FRANCE. International Center for Educational Research "CIEP", 1, avenue Leon-Journault, F-92318 Severs cedex, "Technical and vocational education in France: dual training, competence approach and modular programs", 72 hours - 2 lecturers

3. AUSTRIA. Vienna, an internship on the topic "Austrian system of professional / dual education" for experts of the system of technical vocational education of the Republic of Kazakhstan in "WIFI International GmbH", - 2 teachers

4. RUSSIA. Open Company Educational-engineering center "Didactic systems", 143005, Moscow region, g. Odintsovo, st. Vnukovskaya, 5 "Electric machines and electric drive based on Siemens converters" 72h. - 1 teacher

5. BELORUS SYARIPO, Minsk Internship: "Formation of professional skills based on WorldSkills standards. Progressive technologies of professional education. Experience of the Republic of Belarus "with a visit to the National Championship of Professional Skills WorldSkills Belarus 2018" - 2 teachers.

6. JAPAN Advanced courses for managers of secondary vocational education, organized by Global Conferences. - 1 teacher

Internship of teachers and masters of industrial training  
in LLP "Donskoy GOK" JSC "KazHrom"

1	Yeleusizova G.Zh.	The study of the process of the chemical and technological laboratory
2	Spain Z.Z.	Fitting-assembly and repair work
3	Ustabayev K.K.	Carrying out the horizontal crosscutting (Shahtbau)
4	Bisenbaeva M.R.	Structure of the technical drawing documentation
5	Duskireyev N.E.	Sampling and cutting of samples at DOP-1 sites
6	Karagulov T.S.	Automation of technological processes
7	Urazbayeva G.N.	The study of the process of the chemical and technological laboratory

The questioning of the PS, conducted during the visit of the NAEC VEK, showed that they were completely satisfied:

- The ratio of management is 85.4%
- Relationships with direct management 92.7%
- Relations with colleagues in the college at the branch 95.1%
- Participation in making managerial decisions 75.6%

- Relationships with students 95.1%
- Recognition of successes and achievements on the part of the administration 87.8%
- The activity of the college administration is 90.2%
- Terms of payment 80.5%
- Convenience of work, services available in college 97.6%
- Occupational safety and health 97.6%
- Management of changes in the activities of the college 92.7%
- Provision of benefits: rest, sanatorium treatment, etc. 92.7%
- Nutrition, medical and other services 90.2%

Questioning of students, conducted during the visit of the NECC VEK, showed that the students are completely satisfied:

- Rapid response to feedback from teachers regarding the learning process 92.7%
- The quality of teaching 92.7%
- Academic load / student requirements 7.3%)
- Fairness of examinations and certification 89.1%
- Timely assessment of students 85.5%
- The ratio between the student and the instructor is 94.5%
- Objectivity and fairness of teachers 98.2%

Not satisfied:

- Fairness of examinations and certification 1.8%
- Available computer classes 1.8%

Analyzing the work on the standard "Teaching staff and the effectiveness of teaching" it can be noted that a high representation of pedagogical skill is determined by a constant level of professional development and visits to various schools and creative pursuits. Despite the high level of qualifications of the teachers, the work on learning a foreign language for the teaching of special disciplines of specialty 0709000 "Mineral processing (ore-enrichment)" in English at the request of employers should be intensified. The leadership of the OP should motivate the teaching staff to constantly apply innovative technologies in the educational process. Accessibility and awareness of the work of the teaching staff of the public is a strong indicator of the college. At the same time, it is necessary to supplement information on the college's website about the personal achievements of teachers.

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

- for the implementation of educational programs, the leadership of the EP attracts practitioners and determines the proportion of the disciplines they read;

- The management of the college directs for internships of the teachers special disciplines and their advanced training, incl. and abroad;

- the management of the EP provides monitoring of the activities of the teaching staff, a systematic assessment of the competence of teachers, a comprehensive assessment of the quality of teaching;

- 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:**

- constantly improve the methodology of the school of young teachers and mentoring;

- Summarize the experience of advanced teachers

- to attract specialists from production for the teaching of special disciplines.

**EEK notes that the specialized profile of the college in this standard contains 7 strong positions, 3 satisfactory positions and 1 - requires improvement.**

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

The contingent of students on the profile is formed taking into account the requirements of employers, indicators of employment. The need of graduates in the following specialties is being studied: 0705000 "underground mining of mineral deposits", 0706000 "open mining of mineral deposits", 0709000 "mineral processing (ore-enrichment)", 0712000 "construction of underground structures"

A quota of places for training is approved. The need of employers in the specialists of this profile is being fulfilled.

Admission to the EP is carried out in accordance with the standard rules for admission to education in the organization of education, implementing professional training programs of technical and professional education, approved by Government Decree of the Republic of Kazakhstan of January 19, 2012, No. 130.

Members of the WEC note the successful activities of students in design and research work, for the training of future specialists. To do this, the college uses various forms of design and research work of students. To support and develop the youth initiative in the upbringing of the younger generation, the military-patriotic club "Kaharman" was created in the college, there is a provision and an approved work plan for the club.

In order to provide training and production practice bases, contracts are concluded with the leading enterprises of the industry for specialties 0700000 "Geology, Mining and Mining". The State Technical University "Khromtau Mining and Technical College", on the basis of the agreement No. 18-11 / 418/1044 of April 23, 2018 with the Joint Stock Company "Transnational Company Kazchrome", purchases overalls for students of the college.

An important factor is the monitoring of the employment and professional activities of graduates

**EEK notes that in the activity of the educational institution there is such factor as:**

- Entrance examinations are conducted in Kazakh or Russian languages according to the statements of applicants.

- The form of the entrance examination - a comprehensive test.

Questioning of students, conducted during the visit of the NAEC of the NAEC, showed that: - 81.8% are satisfied with the availability of computer classes and Internet resources; - 89.1% are satisfied with the fairness of examinations and attestation and 1.8% are partially dissatisfied

- According to the "Learners" standard, it can be noted that the result of a quality EP and professional training of a qualified specialist is employment (table 11).

Table. Employment of graduates

№	Specialty	2014-2015			2015-2016			2016-2017		
		Total graduates	Of them is employed	By special in %	Total graduates	Of them is employed	By special in %	Total graduates	Of them is employed	By special in %
1	0705000 "underground mining of mineral deposits	16	16	100%	23	23	100%	26	26	100%
2	0706000 "open development of mineral deposits	-	-	-	-	-	-	-	-	-

3	0709000 "enrichment of minerals (ore- enrichment)",	25	25	100%	25	25	100%	47	45	95,8%
4	0712000 "Construction of underground structures"	-	-	-	-	-	-	22	22	100%
	Total	414	41	100%	48	48	100%	95	93	95%

**Strengths of the EP are:**

- Most of the final year students receive job offers already during practice.
- College students are trained directly on the orders of enterprises.

**Weak points of EP are:**

- Systematize the monitoring system for students' satisfaction.

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

B-Strengthen the role of the student's asset in the college, in decision-making matters, exclude the formalism of student government and in the decisions of the Pedagogical Council.

**EEC notes that the specialized profile of the college in this standard contains 7 strong positions, 2 - satisfactory, 1 requiring improvement.**

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

When inspecting the material and technical base of the SPE "Khromtau Mining and Technical College" it was established that the educational institution has various types of technical resources: laboratory equipment, installations, mechanisms, stands, measuring instruments, materials, computer and other computer equipment, information resources - library fund, software, information technology.

When implementing educational activities, the college is guided by the following regulatory documents that regulate the mandatory qualification requirements for the material, technical and educational-laboratory base, educational organizations:

- 1) "Standard rules for the activities of TVE organizations, approved by the Government of the Republic of Kazakhstan on May 17, 2013, No. 499 (with amendments and additions from December 19, 2014)



2) "Rules for licensing educational activities", approved by the Government of the Republic of Kazakhstan on February 28, 2013, No. 195.

The educational and methodological base of the classrooms includes:

1. educational, methodical literature, educational-methodical manuals on the disciplines of classrooms;
2. equipment, technical means of training in the disciplines of classrooms;
3. teaching aids, didactic means for the disciplines of classrooms;
4. materials of out-of-class work with students on discipline;
5. Control and measuring materials for the disciplines of classrooms.

In the CMC there are auditoriums equipped with latest generation computers and laptops, integrated into a local network and connected to Internet services. All employees and students use the Internet resources for free and without time restriction. For the classes there are interactive boards, multimedia projectors, panoramic screens.

The infrastructure of the college is a typical training and production complex consisting of 4 buildings, designed for 650 training places, consists of a four-story educational building, a public housing building, a building of training workshops, as well as a hostel for 95 seats. Year of construction 1979, according to the available technical passports, the total area of the college buildings is 10349 square meters, including a training area of 3476.3 m<sup>2</sup>. The area of the land plot is 2.05 hectares. The college has the necessary documents for the right to use the building and premises registered in the established manner and used for organizing and conducting the educational process.

The structure of the training complex includes the following cabinets of the corresponding cycle:

- 22 offices of the general educational, general professional cycle
- 12 training laboratories
- 6 training workshops

The administration of the college is constantly working to create favorable social and living conditions for students. For this purpose, there are 2 assembly halls in the educational institution with a total area of 332.9 m<sup>2</sup>; conference hall for 80 seats; a sports hall with a total area of 274.9 square meters; a gym, the area of which is 50.5 m<sup>2</sup>, a tennis court with a total area of 77.5 m<sup>2</sup>; dining room for 100 seats with an area of 422.2 m<sup>2</sup>, buffet; library with an electronic-reading room for 25 seats and a book fund of 34,996 copies of books; 2 medical points; student hostel with a total area of 2587.5m<sup>2</sup>.

For the organization of teaching and educational process, research work in the following specialties: 0705000 "Underground mining of mineral deposits", 0706000 "Open development of

mineral deposits", 0709000 "Mineral processing (ore-enrichment)" and 0712000 Construction of underground facilities for training middle-level specialists IPW use:

- rooms of special disciplines, where interactive whiteboards are installed;
- training computer classes for training using UCT, equipped with computers connected to the Internet;
- classrooms of a general professional and special cycle (physics room, technical mechanics and hydraulics, chemistry, biology and metal technology department, geography and geology office, cabinet on "Mineral processing", mathematics room, occupational safety and environmental office, drawing room , cabinet of mining mechanics and mining);
- Study rooms in which portable multimedia systems can be used, including a laptop computer (laptop), a multimedia projector, a portable screen, video equipment;
- specialized laboratories (a laboratory for the enrichment of minerals and a laboratory of chemistry and methods of analysis);
- experimental bases (production laboratories of practice bases).
- cabinet of mining mechanics);
- cabinets of special disciplines / laboratories (cabinet and laboratory of mining, drilling and blasting operations, quarry transport, mining machines and complexes, electrical equipment and power supply cabinet).
- experimental bases (production laboratories of practice bases).
- training workshops (mechanical and mechanical workshop, wiring workshop, welding workshop).

In the specialty 0705000 "PRMPI", 0706000 "ORMPI", 0709000 "OPI" and 0712000 "ATP", posters, videos, visual aids, theodolite, punchers, telescopes, supports, rails, loading machines are used in studies of special disciplines in cabinets and laboratories PPN-3, trolleys, drilling machine NKR-100, scraper winch LS-55, ditch digger PKU, simulator BUMER simulator, mock hole layout and installation of explosive circuit, contact wire, tripod and levels, laser rangefinder, leveling laths, 3H level line, interactive board, laboratory equipment, such as a screw separator, concentration table, a ball mill, jig, spiral classifier, jaw crusher, eraser, gearbox, pump, layout for the production of pelletizing ores enrichment. A set of wall stands "What the Beneficiary Must Know", "My Profession", "Scheme of the chain of devices of the DOP-2 enrichment section", "Circuit diagram of the apparatus of the pellets production site at DOP-2", "Circuit diagram of the apparatus of the DOP-1 enrichment section" "Preparatory equipment", "Basic equipment", "Auxiliary equipment", "Panorama DOP-2". A set of computer and office equipment, technical training tools, interactive whiteboard, computer, multimedia

projector. , which allows to activate cognitive and creative activity of students in the educational process.

The social base of the college is represented by sports facilities, a medical office, a buffet with hot meals, an assembly hall, a library, a hostel.

The sports complex includes: a sports hall with an area of 412.3 m<sup>2</sup>, a small hall of 205 m<sup>2</sup>. The sports complex is equipped with simulators and other necessary equipment and equipment. The gym meets sanitary and hygienic requirements.

The Assembly Hall with an area of 247.2 m<sup>2</sup> is designed for 240 seats.

The college has a spacious library area of 108 m<sup>2</sup> including a reading room of 48m<sup>2</sup> there are alphabetic and systematic catalogs. Subscriptions to periodicals are in progress, including 10 in the Kazakh language. To replenish the library's book fund in 2014, 989,000 tenge was allocated, in 2015 - 4388000 tenge, in 2016 - 2653000 tenge.

The college has a dining room with hot meals for 100 seats, a total area of 422.2 m<sup>2</sup>.

The area of the medical facility is 33.0 m<sup>2</sup>. State license No. 13000971 for medical activities from 29.01.2013. The medical center is equipped with the necessary equipment and equipment in accordance with the requirements. Medical care is provided by a medical professional.

For students in the college students have a hostel for 150 seats, a total area of 2450 m<sup>2</sup>. There are shower rooms, a room for cooking.

The website of the college is functioning - <http://hromtau-hgtk.k>

The college website provides the following areas of work:

- providing the target audience of the site (college) with operational and relevant information on activities, its successes and achievements, educational services provided;
- providing access to teachers, staff and students to the organizational and reference resources necessary to ensure their professional (educational) activities;
- the formation of a positive image of the college as a "supplier" of quality education and quality professionals, a promising partner for joint research, intellectual, innovative and cultural center.

To use Internet resources in the educational process, of course, special attention is paid to the network infrastructure of the college, since the introduction of new information and communication technologies on the Internet basis is one of the most important reserves for improving the effectiveness of continuing education and self-education of teaching staff and students.

The educational-laboratory base of the cabinets corresponds to the contingent of students, implemented educational programs and sanitary-epidemiological norms and requirements. In

general, 11 training laboratories with a total area of 574.5 m<sup>2</sup> and 8 training workshops with a total area of 984.0 m<sup>2</sup> are used in the college for conducting laboratory and practical work at the modern level.

Book availability of accredited educational programs is presented in the table:

Code and brief name of the specialty	General Fund copies.	Including in the state language
0705000 Underground mining of mineral deposits, 0705113 Production technician	3300	607
0706000 Open development of mineral deposits, 0706203 Technologist-technologist	1480	110
0709000 Enrichment of minerals (ore enrichment), 0709183 Technologist-technologist	3028	311
0712000 Construction of underground structures 0712012 The operator of a boring complex 0712022 The Wanderer	1735	166

The questioning of the PS, conducted during the visit of the EES of the IAAR, showed that:

- teachers assess the "good" or "very good" availability of the necessary scientific and educational literature in the library for teachers - 100%

Questioning of students, conducted during the visit of the IAAR EEK, showed that the students are completely satisfied:

- Level of accessibility of library resources 87.3%
- The quality of services provided in libraries and reading rooms 94.5%
- Satisfaction with existing college curriculum resources 89.1%
- Availability of computer classes and Internet resources 81.8%
- The usefulness of the website of education organizations as a whole 87.3%
- Rooms for students 81.8%.

Analyzing the work on the standard "Resources used in the implementation of educational programs," we can note the positive dynamics of growth in the equipment of the material and technical base of the college, including through sponsorship. Summarizing, it can be noted that the success of the application of educational programs to a greater extent could be realized with the replenishment of educational resources, a book fund, educational methodological and scientific literature on specialty 0709000 in English.

**EEK notes that the educational institution for this standard pays special attention to such positions as:**

- a training environment has been created in the organization of TVE that promotes the formation of basic and professional competences and takes into account individual needs and opportunities of students;

- in the organization of TVE, a learning environment for the EP is created, which includes the necessary number of computer classes, reading rooms, multimedia and language laboratories, the number of seats in them;

- in the organization of TVE, an educational environment for the EP is created, which includes free access to educational Internet resources;

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

- to improve the quality of the library fund by replenishing modern foreign educational literature, as well as reference literature on specialty 0709000 in English;

- to demonstrate the reflection on the official website of the college of information characterizing the EP.

- use in course and graduation design of the automatic design system AutoCad and Compass.

To provide students with access to personalized educational resources that assist in the selection of career paths

**EEK notes that the specialized profile of the college on this standard contains 8 strong positions, 6-satisfactory, 1 position requiring improvement.**

#### **6.6 Standard "Standards in the context of individual specialties"**

The content of training of specialists at different levels is related to the following indicators, such as the duration (duration) of training, the ratio of theoretical and practical training, the ratio of the volume and content of professional and special training. In this regard, one of the main tasks facing modern education is the upbringing and education of a versatile personality of the learner along with his professional development.

The content of all disciplines of the educational program is based and has a clear relationship with the content of fundamental general and natural sciences. Fundamental natural - scientific training of students is designed to contribute to the formation of one of the key groups of competences - research and self-education.

To train practical skills, contracts have been concluded with practical databases.

Table 13. The list of bases of practices in the specialties of profile 0700000 "Geology, Mining and Mining"

Table 2. The list of practice bases for profile specialties 0700000 "Geology, Mining and Mining"

Specialty code and name	Cipher and name of qualification	Name of enterprises
0705000 "Underground mining of mineral deposits"	0705113	The joint-stock company TNK Kazchrome, Don mining and processing enterprise,
	Technologist-technologist	
0706000 Open development of mineral deposits	0705022 Mining underground	The Molodezhnaya mine,
0709000 Enrichment of minerals (ore enrichment)	0706203 Technologist-technologist	The mine of the Decade of Independence of Kazakhstan, The mine-building shop,
	0709172 laboratory assistant of mineralogical analysis	
0712000 "Construction of underground structures"	0709183 Technologist-technologist	Aktobe Copper Company LLP
	0712022 The Wanderer	

**EEK notes that the educational institution for this standard pays special attention to such positions as:**

- a close relationship of students with a professional environment, which includes:
- conducting classes, excursions, competitions of professional skills at the enterprise;
- introduction of dual training and modular-competence approach programs;
- The pedagogical team involved in the OP includes practitioners who have experience working at enterprises in the field of specialization of the OP.

Conclusions of the WEC on the criteria:

**EEK notes that the specialized college profile for this standard contains: 4 - strong position, 0 - satisfactory and 0 implies 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 OP development plan, its focus on meeting the needs of the state, stakeholders and trainees;
- the organization of TVE ensures the adequacy of the development plan for the OP to the available resources, the needs of the labor market and the educational policy of the Republic of Kazakhstan;
- the organization of the TVE determines the mechanisms for the formation and regular revision of the development plan for the OP and for monitoring its implementation;

- the development plan for the OP 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;

- management of the OP includes mechanisms for planning, development and continuous improvement;

- the organization of the TVE ensures the availability and effective functioning of the information and feedback system aimed at trainees, employees and stakeholders.

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

-participation of the teaching staff in the development of the EP;

-the effective balance between theoretical and practice-oriented disciplines;

- the functioning of the system of individual assistance and counseling of students on issues of environmental protection;

-The system of monitoring the achievements of the students.

-Introducing the results of practical achievements of teachers

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

- for the implementation of educational programs, the leadership of the OP attracts practitioners and determines the proportion of the disciplines they read;

- The management of the college directs for internships of the teachers special disciplines and their advanced training, incl. and abroad;

- the management of the OP provides monitoring of the activities of the teaching staff, a systematic assessment of the competence of teachers, a comprehensive assessment of the quality of teaching;

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

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

-Most of the promising graduation courses receive job offers already during practice.

-Students of the college are trained directly on the orders of enterprises.

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

- a training environment has been created in the organization of TVE that promotes the formation of basic and professional competences and takes into account individual needs and opportunities of students;

- in the organization of TVE, a learning environment for the EP is created, which includes the necessary number of computer classes, reading rooms, multimedia and language laboratories, the number of seats in them;

- in the organization of TVE, an educational environment for the EP is created, which includes free access to educational Internet resources;

### *6.6 Standard "Standards in the context of individual specialties"*

close connection of students with a professional environment, which includes:

- conducting classes, excursions, competitions of professional skills at the enterprise;
- introduction of dual training and modular-competence approach programs;
- The pedagogical team involved in the OP includes practitioners who have experience working at enterprises in the field of specialization of the EP.

## **VIII REVIEW OF RECOMMENDATIONS FOR IMPROVING QUALITY**

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

### *5.1. The standard "Management of the educational program":*

-Develop and implement the procedure of the internal quality management system (monitoring and evaluation of the quality of the activities of the collegial bodies of structural units, employees, teachers, administrative and managerial staff of the college)

### *5.2. Standard "Specificity of the educational program":*

- ensure the systematic development, implementation and effectiveness of active teaching methods and innovative teaching methods, it is advisable to use the basic functions of the interactive whiteboard and multimedia podium using specialized software tools;
- continue work on expanding the list of modern software used in the educational process;

### *5.3. The standard "Teaching staff and the effectiveness of teaching":*

- constantly improve the methodology of the school of young teachers and mentoring;
- Summarize the experience of advanced teachers
- to attract specialists from production for the teaching of special disciplines.

### *5.4 Standard "Learners":*

-Under the role of the student's asset in the college, in matters of decision-making, to exclude the formalism of student government and in the decisions of the Pedagogical Council.

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

- to improve the quality of the library fund by replenishing modern foreign educational literature, as well as reference literature on specialty 0709000 in English;
- to demonstrate the reflection on the official website of the college of information characterizing the EP.
- use in course and graduation design of the automatic design system AutoCad and Compass.



- To provide trainees with access to personalized educational resources that assist in the selection of career paths

## **IX. OVERVIEW OF THE RECOMMENDATION ON THE DEVELOPMENT OF THE ORGANIZATION OF EDUCATION**

The leadership of SCE "Khromtau Mining Technical College" with the aim of implementing a unique project initiated by the Head of the Republic of Kazakhstan is to create and introduce in the college a program for the introduction of a multilingual education that provides for the creation of a new model of education that fosters the formation of a graduate who is proficient in the language culture . In order to implement the state policy of the Republic of Kazakhstan on the development of international cooperation in the field of education, it is recommended to develop and implement in the college a program to develop and expand international cooperation with educational institutions of foreign countries.

Annex 1



**(X) RECOMMENDATION TO THE ACCREDITATION COUNCIL****Evaluation table "SPECIALIZED PROFILE PARAMETERS"**

№ 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 EP 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>		11	9	2	
<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>Evaluation criteria: individualization of the EP</b>					
27	The management of the EP 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 EP	+			
30	The management should demonstrate the use of the advantages, individual characteristics, needs and cultural experience of students in the implementation of the EP	+			
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 OP 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>		19	5	0	
<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>		7	3	1	
<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 RP 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>		7	2	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 UCT			+	
71	The management of the RP should demonstrate the reflection on the web resource of the information characterizing the EP			+	
<b>TOTAL</b>		8	6	1	
<b>«Standards in the context of individual specialties»</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.	+			
75.2	The teaching staff involved in the EP should include practitioners who have experience working at enterprises in the field of EP specialization.	+			
<b>TOTAL</b>		4	0	0	
<b>TOTAL IN GENERAL</b>		56	25	5	

