MINISTRY OF EDUCATION AND SCIENCE OF THE KYRGYZ REPUBLIC
KYRGYZ STATE TECHNICAL UNIVERSITY
named after I. Razzakov

TRAINING AND PRODUCTION CENTER "HIGHER SCHOOL OF DESIGN"

"Agreed" **Chairman of the UMC KSTU named after I. Razzakov** ____ "_____"___	**"I approve"** **Rector of I. Razzakov KSTU** ___ "_____"___

Basic Educational Program
Higher professional education

Field of study (specialty)_ **570 400 "Design"**_____
cipher, name

Profiles: **"Graphic Design";**
"Fashion Design";
«Design of the subject environment and interior»
name

Graduate Qualifications **Bachelor**_____
Bachelor / Master / Specialist (Engineer)

Head of **the PLO: Associate Professor; Director of the UOC "GSD" Koenaliev K.K.**
(academic degree, position, full name)

Order No. 3/231 of 03.11. 2020s
(order of appointment of the head of the PLO)

Bishkek -2022

Approval worksheet

The main educational program is developed in accordance with the requirements of the State Higher Education Service for the preparation of bachelors in the direction: 570 400 "Design"_____

Cipher direction/specialty

Authors (compilers): Head of the PLO, Associate Professor, Director of the UOC GSD Koenaliev K.K.;

Associate Professor of the UOC HSD Sataev K.A.

OOP Review and Approval Process	Protocol No.	Signatures (seal)
OOP considered at the meeting of the department ___ (name of the training unit)	No____ protocol from «_____» _____ 20__ year	Head. Major Department: (signature, seal) Full name:_
OOP approved at the meeting of the Educational and Methodological Commission of the Faculty/Institute __	No_____ Protocol from «_____ __ 20__ g.,	WCU Chairman: (signature, seal) Full name:_
*OOP agreed (or discussed/reviewed) __	Date: Agreements/Discussions/ review	(position)____ (signature, seal) Full name:_
OOP recommended at the meeting of the Educational and Methodical Council of KSTU	No_____ Protocol from «_____ __ 20__ g.,	Chairman of the UMC: (signature, seal) Full name:_

*The OOP must be approved or discussed for compliance with the requirements of the State Committee for Higher Professional Education and stakeholders (industry council, round table, meeting with representatives of production, review (review should be attached), etc.)

OOP Changes and Additions Worksheet

№ p/n	OOP section number and name	Description of changes/additions in OOP	Date of changes	No minutes of the meeting of the department	Teacher's signatures, Head of PLO

Content

1.General characteristics of OOP HPE

1.1. The main educational program of higher professional education (OOP) in the direction of training 570 400 "Design" (qualification "bachelor") ensures the implementation of the requirements of the state educational standard and stakeholders (employers, students, societies, etc.).

Graduates who have fully mastered the OOP hpe in the preparation of bachelors and successfully passed the state final certification in accordance with the established procedure, are issued a diploma of higher education with the assignment of qualifications, respectively, "bachelor".

1.2. OOP is a system of normative and methodological materials developed on the basis of normative documents:

- Law of the Kyrgyz Republic "On Education",
- GOS HPO direction 570 400 "Design" approved by the Order of the Ministry of Foreign Affairs of the Kyrgyz Republic dated 21.09.2021 No. 1578/1
- Normative and methodical documents of the Ministry of Education and Science of the Kyrgyz Republic;
- Government Resolution "On Approval of Acts on Independent Accreditation in the Education System of the Kyrgyz Republic" dated September 29, 2015 No. 670 (with subsequent amendments and additions)
- Regulations on the structure and conditions for the implementation of professional vocational education programs in the Kyrgyz Republic;
- Regulations on the organization of the educational process at the I. Razzakov KSTU on the basis of the credit system of training ECTS,
- Regulation on the implementation of PLO IDP in a shortened and accelerated time,
- Regulations on the procedure for providing re-education to students of KSTU,
- Regulations on the use of distance educational technologies in I. Razzakov KSTU,
- Guide to the development and adjustment of curricula of I. Razzakov KSTU.

1.3. The purpose of the main educational program is aimed at meeting the educational needs of the individual, society, state, industry representatives in professional personnel and specialists, as well as the development of a single national / and international educational space in the field of direction 570 400 "Design"

1.4. The objectives of the main educational program are:

- Goal 1. training in the field of the basics of humanitarian, social, economic, mathematical and natural science knowledge,
- Goal 2. obtaining a higher professionally profiled (at the bachelor's level) education, allowing the graduate to work successfully in the field of graphic, subject and environmental design.
- Goal 3. have universal and professional competencies that contribute to its social mobility and sustainability in the labor market.
- Goal 4. formation of social and personal qualities of the student: dedication, organization, diligence, responsibility, citizenship, tolerance, communicativeness, improving the general culture.

1.5. Training of graduates is carried out on the basis of the following principles:

- focus on a two-tier education system;
- participation of the student in the formation of his educational trajectory of learning;

- development of practice-oriented training based on the competence-based approach;
- use of the credit system and modular-rating assessment of students' achievements in order to ensure academic mobility;
- compliance of the system of assessment and control of the achievement of bachelors' competencies with the conditions of their future professional activities;
- professional and social activity of the graduate;
- international cooperation in the field of training.

1.6. Regulatory period for the development of OOP

In full-time education - 4 years (for the magistracy - 2 years).

The terms of mastering the OOP in full-time correspondence (evening) and correspondence forms of education with the use of distance technologies, as well as in the case of a combination of various forms of training, may increase by 1 year (by 6 months - master's degree) relative to the specified normative period of foundation for full-time form.

The terms of mastering the OOP for the preparation of bachelors on the basis of secondary vocational education in full-time education as part of the implementation of accelerated programs are at least 3 years.

When training according to an individual curriculum, regardless of the form of education, the period of training is established by the educational structural units responsible for the implementation of the OOP.

When training according to the individual curriculum of persons with disabilities, training is extended for a period that allows the formation of professional competencies, in comparison with the period established for the corresponding form of education.

1.7. The total labor intensity of mastering the main educational program by a student in the direction of 570 400 "Design" is at least 240 credits (master's degree - 120 credits, specialist - 300 credits), including all types of classroom and independent work of the student, practice and time allocated to quality control of the student's mastery of the main educational program.

1.8. Requirements for the applicant: An applicant entering for training in the direction 570 400 "Design" must have a state document on secondary (full) general education or secondary vocational education, for a master's degree - a bachelor's / specialist's diploma.

1.9. Profiles of OOP HPE in the framework of the direction of training bachelors "Graphic Design"; "Fashion Design"; «Design of the subject environment and interior»

1.10. Additional OOP Information. An agreement was concluded with Almaty State Technical University on cooperation in organizing and conducting joint production and pre-qualification practices. A preliminary agreement was reached with Altai Technological University on the joint implementation of the educational program in the direction of "Design". Joint basic and working curricula are formed, focused on ensuring student mobility (2 + 2; 2 + 1)

1.11. Interaction with representatives of production /organizations:

Long-term cooperation agreements have been concluded with specialized enterprises and an educational institution for the organization and conduct of prequalification and production practices. In order to make decisions on improving educational programs, round tables, on-line conferences and an open day of the I. Razzakov KSTU are periodically organized and held. All recommendations and wishes of stakeholders are analyzed and on their basis changes are made to the structural elements of the OOP.

1.12. Informing students about the content of the OOP and the organization of the educational process on credit technology is carried out through the website of the UOC HSD and the Department of KhPI, the adaptation and orientation week for first-year students, the provision of information packages. Additional information about the OOP and the educational process is posted in the AVN portal and in the KELBIL application https://kstu.kg/fakultety/tekhnologicheskii-fakultet/vysshaja-shkola-dizaina/sostav-kafedry

2. Model of the graduate of the OOP in the direction of 570400 "Design"

Area of professional activity of graduates:

– Culture and art (in the fields of fine and modern art, creative and cultural-educational activities)
– Communication, information and communication technologies (design development of graphic and user interfaces);
– Mass media, publishing and printing (in the field of design of objects and visual information systems, identification and communication);
– Architecture, engineering, topography and design (in the areas of design design – by industry);
– Light and textile industry (in the field of modern industrial design of products; clothing and footwear, etc.);
– Furniture production, woodworking and pulp and paper industry (in the field of design of furniture products and woodworking in conditions of serial and custom production);
– End-to-end types of professional activity in industry (in the field of industrial design and ergonomics);
– Services (scientific and technological services and related scientific research and development; services for industrial analysis and scientific research; development and development of computer and software - interior design, industrial design, artistic design, designers' services in the field of packaging, image creation services (industrial aesthetics)).

Graduates can carry out professional activities in other fields and (or) areas of professional activity, provided that the level of their education and the competencies obtained meet the requirements for the qualification of the employee.

Objects of professional activity of the graduate:

The objects of professional activity of graduates in the direction of training **570400 Design** are:
- samples of industrial products - various types of printing and other publications, means of transport, household items and consumer goods (e.g. textiles, clothing, footwear, jewelry, furniture, other interior items, fashion goods, as well as other personal and household goods) - varying degrees of technical complexity and serial production, their sets (sets), series or collections; their packaging and promotional products;

- objects and complexes of the visual and communicative environment, network and information space (including visual systems of corporate and other organizational identity, virtual objects, etc.);
- object-spatial environmental complexes and objects (interiors of buildings for various purposes and premises in them; internal spaces of buildings and structures, open spaces; complexes and objects of design of the urban environment; landscape environment);
- expositions, shows, holidays, sports competitions;
- decorative complexes and objects.

Types of professional activity of the graduate:

-Art
-Design
- research and information technology;
- organizational and managerial.

Tasks of the graduate's professional activity

Artistic and project:

- variant development of design solutions using basic theoretical knowledge in the field of profile design design and the basics of related disciplines, taking into account the utilitarian and aesthetic needs of a person, constructive-technological, stylistic, economic and other parameters (relevant to the profile);
- implementation of the selection of appropriate ideas, materials, tools and processes for the development of design solutions, based on an understanding of the professional responsibility of the designer;
- implementation of design projects, preparation and execution of design results, including the development of technical documentation (drawings, diagrams, etc.) and explanatory notes to projects;
- graphic or volumetric modeling of the design solution or its significant fragment; visualization and presentation of design solutions (including using computer technologies);

Research and information technology activities:

- search, study and processing of information in the field of historical and modern domestic and foreign experience of practical design or the sphere of related spatial arts;
- preparation of reviews and abstracts on the subject of ongoing projects;
- participation in the formation and maintenance of information archives, including electronic ones, on projects, samples of materials, research materials and other necessary data for design and research;

Organizational and managerial:

- organization of work of small teams of performers;
- adoption of specific artistic and technical decisions in the development of a design project;
- ensuring the compliance of the developed projects and technical documentation with standards, technical specifications and other regulatory documents in the relevant industry, as well as the task for their development;
- author's supervision over the implementation of the design project;

- introduction of the results of creative research and development into practice;
- implementation of quality control over the execution of design solutions during implementation in production.

3. Competencies of the graduate, formed as a result of the development of OOP HPE.

A graduate in the direction of training - 570400 "Design", with the assignment of the academic degree of "Bachelor" in accordance with the goals of the OOP and the tasks of professional activity specified in clauses 3.4 and 3.8 of the Gos HPE, must have the following competencies:

(a) Universal:

- General Scientific (OK):

OK–1. Able to critically assess and use scientific knowledge about the world around us, navigate the values of life, culture and take an active civic position, show respect for people and tolerance;

- Instrumental (IR):

SG-1. Able to conduct business communication in the state, official and in one of the foreign languages in the field of work and training;

SG-2. Able to acquire and apply new knowledge using information technology to solve complex problems in the field of work and training;

SG-3. Able to use entrepreneurial knowledge and skills in professional activities;

- **Socio-personal and general cultural (SLK):**

SLK-1. Able to ensure the achievement of goals in the professional activities of individuals or groups;

b) Professional (PC):

- in artistic and project activities:

PC-1. Able to apply knowledge in the field of art history; color theory and composition; history and design theory in professional activities; understand significant historical precedents and styles in art and design within the cultural and historical context;

PK-2. Able to create and develop ideas, proposals and solutions based on a creative approach to solving a design problem; design, model, construct objects (in accordance with the profile) that meet the utilitarian and aesthetic needs of a person;

PK-3. Able to perform, applying integrated basic artistic skills of mastering the visual means of drawing and painting, search sketches, various (relevant to the profile) compositions, graphic images or three-dimensional models of design objects in order to visualize the design solution or its significant fragment (including using computer technologies);

PK-4. Able to participate in the variant development of design solutions and the implementation of a design project, taking into account the requirements of the design task and based on knowledge of current trends in the industry industry, applying basic knowledge of the theoretical foundations of design and related disciplines, profile design design and relevant design skills;

PK-5. Able to select materials, tools and technologies for the implementation of their projects, realizing the importance of the impact of the results of their project activities on users and the environment;

PK-6. Capable of preparing and formalizing design results, including the development of technical documentation (drawings, diagrams, etc.) and explanatory notes to projects;

- in research and information technology activities, and:

PK-7. Able to work with special, scientific and other reliable data sources; collect, study and process information necessary for design, including domestic and foreign experience in the field of practical design or artistic creativity;

PK-8. Able to compile reviews and abstracts on the subject of ongoing projects;

PC-9. Capable of participating in the formation and maintenance of information archives, including electronic ones, on projects, samples of materials, research materials and other necessary data for design and research;

- in organizational and managerialactivities and:

PC-10. Capable of organizing the work of small teams andexecutors;

PC-11. Ready to justify the adoption of a specific artistic and technical decision in the development of a design project;

PK-12. Capable of ensuring compliance of developed projects and technical documentation with standards, specifications and other regulatory documents in the relevant industry, as well as the task for their development;

PK-13. Capable of conducting author's supervision over the implementation of the design project;

PK-14. Capable of introducing the results of creative research and development into practice;

PC-15. Capable of carrying out quality control of the execution of design solutions when introduced into production.

PC – 16. Able to apply integrated basic artistic skills and knowledge of the basics of compositional shaping, the theory of light and color in the framework of artistic creativity or design design; to possess the skills of creating:

- Ø graphic, planar, volumetric, spatial (relevant to the profile) compositions;
- Ø graphic (2D-3D) images or three-dimensional models made in materials and techniques adequate to communicative tasks, in order to visualize the design solution or its significant fragment;
- Ø presentation of projects and formation of your own professional portfolio, revealing the professional level of work for the audience, clients, employers;

PC – 17. Able to use for design design tasks a standard package corresponding to the profile of the application program, applying knowledge of the basic basics of its user interface;

(The profile is determined by additional professional competencies in the amount of no more than 5 items and is determined by the university independently. The list of profiles is approved by the UMO.)

On the basis of competencies, the results of training are formed:

RO:1. Possession of a system of basic knowledge in the field of general humanitarian, natural science and mathematical disciplines, the ability to apply this knowledge in professional activities.

PO 2: The ability to perceive, summarize information, set goals and choose ways to achieve it, possession of the main methods, methods and means of obtaining, storing and processing information, using basic methods of research activities;

PO 3: The ability to logically correctly, reasonably and clearly build their oral and written speech in the state, official languages and to speak one of the foreign languages at the level of social communication;

PO 4: Possession of various ways of transmitting creative design intent: graphic, coloristic, layout, as well as the skills of verbal and visual presentation of the project and the formation of a personal portfolio of a bachelor demonstrating professional potential.

PO 5: Possession of basic computer processing and storage skills, as well as methods of presenting creative and design intent by means of computer programs corresponding to the profile of training in the field of design.

PO 6: Ability to participate in the organization of collective professional activities, to carry out business communication, including in the interdisciplinary field.

PO 7: Ability to apply in professional activities knowledge of the main topics, styles and directions in the history of design and art, basic concepts and terminology of design, the basics of design design, stages and stages of the design process;

PO 8: the ability to understand and apply traditional ideas, take into account and find approaches to the implementation of current trends in the field of design, modern materials, technological innovations.

PO 9: Ability to solve the main types of design tasks; design taking into account ergonomics, ecology, economics, the psychological impact of the design solution, the foundations of related disciplines in the field of design, as well as the needs and requirements of users; adequately evaluate their work and the results of their activities in order to improve their own practice.

PO 10: Ability to analyze and assess the consequences of new phenomena in science, engineering and technology, professional sphere, to realize the importance of the impact of the results of their project activities, the risks associated with them, on users, taking into account its possible impact on the environment in the implementation of design.

Competency matrix.

The matrix of the ratio of competencies and disciplines (modules) and the program for the formation of competencies in the development of OOP HPE in the direction of 570400 "Design" (full-time form of training) profile "Graphic Design", "Fashion Design" and "Design of the Subject Environment and Interior", are presented in *Appendix 3*.

4. Documents regulating the content and organization of the educational process in the implementation of OOP 570400 "Design":

4.1 The calendar educational schedule includes the conduct of practices, certification tests, state final certification of students, other types of educational activities of the sequence and distribution by periods of study. (*Annex 4.1*)

4.2 The academic calendar is an integral part of the curriculum. Indicates the sequence of implementation of OOP HPE by year, including theoretical training, practices, intermediate and final certifications, vacations. (*Annex 4.2*)

4.3 Curricula: The curriculum highlights the amount of work of students in interaction with the teacher (hereinafter referred to as the contact work of students with the teacher) by types of training sessions.

4.3.1. **Basic curriculum –** is drawn up for the full normative period of training. *(Annex 4.3.1)*

4.3.2. **The work curriculum**, developed on the basis of the exemplary curriculum, in the direction of training 570400 "Design" (full-time form of training) includes the relevant cycles and sections of the OOP HPE, ensuring the formation of competencies. The curriculum for the implementation of the OP HPE with the schedule of the educational process in the direction of 570400 "Design" (full-time form of training) determines the sequence of implementation of this program, including theoretical training, practices, intermediate and final certifications, as well as vacations and independent work of students in academic hours. For each discipline (module) and practice, the form of intermediate certification of students is indicated. *(Annex 4.3.2)*

4.3.3. **SOP curriculum** *(not available)*

4.3.4. **The individual student curriculum** determines the educational trajectory of each student (reflected in the student's educational card) *(Appendix 4.3.4)*

4.4. Catalogue of modules of OOP disciplines.

For each discipline of the curriculum, brief information and additional information on the passage of the training course are drawn up in accordance with the established form "Module of discipline", which is included in the educational and methodological complex of the discipline. The catalog of the module is formed from the list of compulsory disciplines and elective courses. (*Annex 4.4)*

4.5. Educational and methodical complexes of disciplines in accordance with the State Educational and Methodological Complex for the Academic Discipline is a mandatory document for the organization and implementation of compulsory disciplines and elective courses.

The UMCD is developed in accordance with the Regulation on the UMCD and contains the following structure:

- Explanatory note.
- Module of discipline (brief information about the discipline by forms of training);
- Work program of the discipline for all forms of education.

• Syllabus – training program in the discipline (Syllabus) for the student (bachelor) – according to the forms of training;

• Educational and methodical materials (UMM) for the following types of classes: lectures, seminars, practical, laboratory;

• Methodical instructions (recommendations, instructions) for independent work of students

• Methodical instructions (recommendations, instructions) on the organization and implementation of course projects (works);

• Didactic materials of the evaluation fund of current, intermediate and final control, including for self-control (tickets, tests (blank / computer), control work, individual and situational tasks, etc .;

• Glossary (list of terms and definitions);

• Electronic educational resources (support card);

• List of materials accompanying the classes (TCO support card (technical means of training);

• The list of specialized classrooms, offices and laboratories, educational and laboratory equipment used in the study of the discipline (a list of classroom funds, equipment, devices, etc.);

• Applied methods of teaching the discipline (teaching methods and technologies: active, interactive, etc.);

• Methodical recommendations (materials) for the teacher and students.

UMCD of the curriculum are located on the relevant educational structures of the units implementing these disciplines.

The OOP attaches a list of disciplines for all cycles of the RUP, indicating the provision and the date of approval, according to the protocols. *(Annex 4.5.)*

4.6. Practice Programs

In accordance with the State Higher Education Service in the direction of training 570 400 "Design" _ practices are provided for in the amount of **25** credits and are mandatory: educational, production, pre-qualification and research (according to the profile of training)

Educational practice takes place, as a rule, in Bishkek, on the basis of city parks and squares, as well as in museums in Bishkek - G. Aitiev KnMII and in the laboratories of the UOC HSD.

Production and pre-diploma (pre-qualification) practices are conducted in specialized organizations (Alma-Ata Technological University; MP "Bishkekglavarhitektura", LLC publishing house "Kitep Company", LLC CPI "Print Express", LLC "Polygraph paper resources") JSC "Uchkun", StArt LTD and design studios (VRS company and Turkish-Kyrgyz enterprise LLC "Imak Offset"; Besthome LLC; Design Engineering LLC; Archi-Master LLC, etc.), as well as in other organizations with which contracts have been concluded.

If it is necessary to conduct pre-project studies to the WRC, students can be sent for pre-diploma practice to enterprises and organizations potentially suitable for conducting user research.

Such a practice, borrowed from foreign experience, has shown as a result the possibility of in-depth study of the context by students and is designed to contribute to a higher quality of WRC preparation. Internship programs determine the content, duration and organization of the internship process, regulate reporting and the results of internships. There are tools for assessing the quality of practices to meet stakeholders (employers, students, teachers) in the form of feedback, recommendations and evaluation of the head of practice from the enterprise. *See Annex 4.6.*

4.7. Final Certification Program

The final state certification of bachelors is carried out in the form of the State exam in special. disciplines (disciplines of the professional cycle) and defense of the final qualification work (WRC). The labor intensity of the State final certification is 15 credit units in the 8th (eighth) semester, including the time for the preparation and defense of the final qualification work.

State Exam

The state exam is held at the end of the training cycle, before the pre-diploma practice. Persons who have completed a full course in the basic professional educational program of higher education and have successfully passed all previous certification tests provided for in the curriculum are admitted to the State Examination. Passing the state exam is carried out at open meetings of state attestation commissions consisting of the teaching staff of the university, as well as persons invited from third-party organizations: specialists of enterprises, institutions and organizations - consumers of personnel of this profile, leading teachers and researchers of other higher educational institutions.

The schedule of state examinations is communicated to students no later than one month before the start of the state final certification.

Exam tickets and the program are prepared and approved at the department. In the process of preparing for the state exam, students are given overview lectures and consultations are held by teachers from among the teaching staff of the department.

At the state exam, students receive an exam card that includes questions from the content of the disciplines included in the exam. In preparation for the answer, students make the necessary notes for each question on the sheets of paper issued by the secretary of the examination commission with the stamp of the university. To prepare for the exam, which is conducted orally, the student is given one academic hour. In the process of answering and after its completion on all questions of the examination card, members of the examination commission, with the permission of its chairman, may ask clarifying and additional questions within the limits of the list of questions submitted for the state examination. When conducting a state exam for each student, the secretary of the commission fills out a protocol indicating the ticket number, a list of questions.

Structure of the final qualification work

On the basis of the Regulations on the final state certification of higher educational institutions and the requirements of the State Higher Educational Institutions of the Kyrgyz Republic, the requirements for the structure and design of the final qualification work in the direction 570400 "Design", the profile "Graphic Design" have been developed and approved; "Fashion Design" and "Design of the Subject Environment and Interior", academic degree - Bachelor. Graduation qualification work is a work performed by the student (several students together) demonstrating the level formed by the graduate of general scientific, instrumental, socio-personal and general cultural, as well as professional computersIt's a good thing. Bachelor's final qualification work in the direction of 570 400 "Design", profile "Graphic Design"; "Fashion Design" and "Design of the Subject Environment and Interior" is the final stage of the student's professional training and represents the independent development of a specific topic, reflecting the theoretical knowledge

and practical skills acquired by each student, creative capabilities and the ability to systematically work systematically.

To obtain the qualification (degree) "bachelor", final qualification works for graduates are performed in the following forms:

- in the form of a final qualifying design project of a bachelor's degree;
- in the form of a final qualifying design project of a bachelor with in-depth pre-project studies;
- in the form of a bachelor's final theoretical work.

The implementation of the WRC is carried out according to the approved and communicated to students topics. It is possible to carry out the final project on the basis of the topics received and the accompanying technical task from the governing bodies of Bishkek and the regions of the Kyrgyz Republic, from scientific, industrial and public organizations of Kyrgyzstan, from state and public organizations of other countries.

When choosing a topic, it is necessary to focus on the timing of the possible implementation of the project. They identify both the problem itself and the issues that need to be addressed:

1 - topics on real tasks with the possible implementation of projects in the near future. When performing, they are guided by the established design practice, the available material base, structures and materials, the existing regulatory documentation. The themes are interesting for their specificity, the need to study the constructive, functional, artistic and compositional structure and design elements;

2 - topics focused on the future, according to insufficiently developed typological schemes. It is possible to solve social problems with a greater degree of novelty, to take into account the latest achievements of science, technology, materials;

3 - topics focused on the long term. The project - a look into the future, have a predictive character in the development of social structures, design concepts, constructive solutions.

WRC bachelors are subject to external review, possibly by scientific and pedagogical personnel of related departments. Review of the WRC by the scientific and pedagogical personnel of the graduating structural unit, where the preparation of the bachelor's WRC was conducted, is not allowed. A graduate student should be acquainted with the review of his WRC before defending at a meeting of the SAC. In the case of the implementation of the WRC by several graduates, a general review of the comprehensive graduation design project is written. *(Annex 4.7)*

Based on the results of the final state certification, the State Attestation Commission decides on awarding the student a qualification for the bachelor's degree program of the direction of training 570400 "Design" and issuing a state diploma on higher education.

4.8. Organization of research work.

The organization of research work of students is a mandatory section of the main educational program. Research work is aimed at the formation of general cultural and professional competencies in accordance with the requirements of the standard and the goals of this program. Planning, marketing research in the field of educational program, science, engineering and technology of the relevant areas of design is underway.

In the process of mastering OOP HPE, the student is involved in research through the discipline of RUE - educational and research work, and can also engage in research work under the guidance of a supervisor.

The student throughout the entire period of study is given the opportunity to:

- to study special literature and other research information, achievements of domestic and foreign science in the field of history and theory of art;
- participate in scientific research or participate in the organization and conduct of creative competitions, professional exhibitions.
- to carry out the collection, processing, analysis and systematization of research information in the field of fine and plastic arts.
- draw up reports (sections of the report) on research work or its section;
- participate in the annual scientific and practical student conference of the university, at the republican or international level.
All scientific achievements, developments, inventions are introduced and used in the educational process*. (Annex 4.8).*

5. Actual resource provision of the OOP in the direction of training.

5.1. Staffing of the OOP

The implementation of the basic educational program of the bachelor's degree is provided by scientific and pedagogical personnel who have a basic education corresponding to the profile of the discipline taught, and are systematically engaged in artistic and creative, project, scientific and (or) scientific and methodological activities.
According to the State Educational Institution of the Kyrgyz Republic in the direction of 570400 "Design" , for experienced teachers of HPE in the field of design and fine arts, **the following** criteria are equivalent to the academic title of associate professor:
- the presence of state honorary titles and distinctions;
- titles of laureates of state and government awards in the relevant professional field;
- diplomas of laureates (own or prepared under direct supervision) of various degrees of relevant international and significant republican competitions and exhibitions;
- membership in Kyrgyz or international creative unions of the relevant profile
(if there are at least 2 criteria listed).
In total, **29** teaching staff are involved in the implementation of OOP in the direction of training 570,400 "Design", of which: professors, Doctor of Technical Sciences -**1**; Professors, Ph.D. - ; Associate Professors, Ph.D. - **7**; associate professors -**7**; senior. teachers -**5**; teachers -**9**. Total staff - **86**%.
Taking into account the equivalent in accordance with the State Educational Institutions of the Kyrgyz Republic for creative areas, the degree of teaching staff providing the educational process in the direction of 570400 "Design" is **51.7**%. Cycles: GSEs, 64%; MEN - 25 %; Prof. cycle - 50%.
*Staffing-Annex **5.1***

5.2. Educational and methodical support of OOP

The scientific and technical library (NTB) of KSTU is fully automated and computerized. Since 2002, it has been working with the automated library system IRBIS, which allows automated management of all library processes. The library fund of the NTB of KSTU is about 500,000 copies of books. The library's website is functioning, there are reading rooms: humanitarian and economic sciences, natural sciences and technical literature. Electronic library of NTB KSTU www. libkstu. on. kg includes more than 5000 titles of electronic textbooks, the full-text format is available on the local network of the library and remotely via the Internet. On the library's

website, employees post articles "Izvestiya KSTU named after I. Razzakov" and are exhibited in KIRLIBNET, RSCI, EBS "Lan". There are databases of EBS: paid -1, free -14.
NTB KSTU is the coordinator of the "Association of Electronic Libraries" (AEB) and the administrator of the educational portal KIRLIBNET. Kirlibnet members are 18 libraries in Kyrgyzstan. The site exhibits electronic catalogs and open archives of 18 libraries. On the platform of open archives there are full-text textbooks, monographs, patent documentation, abstracts of candidate and doctoral dissertations, bulletins of universities, methodical manuals, research reports, Internet link base. Extensive methodological and advisory assistance is provided to libraries of the regions and the city of Bishkek
For students and for teachers, it is possible to use www-biblioclub. ru, opened multimedia cabinet Samsung Smart School (there are tablets, laptop, interactive screen). As well as a Co-working center. The library fund is equipped with printed and electronic publications of the main educational and scientific literature on disciplines of general scientific and professional cycles, published over the past 15 years, at the rate of at least 0.5 copies. Students are provided with basic educational and methodological literature, methodological manuals necessary for the organization of the educational process in all disciplines (modules) of the OOP in accordance with the standards established by the State Higher Education Service by 85%.

The fund of additional literature, in addition to educational, includes official reference and bibliographic and periodical publications.

The Periodicals Fund is represented by industry publications corresponding to the profile of training:

The fund of scientific literature is represented by monographs and periodical scientific publications on the profile of the educational program.

Students are provided with access to the electronic library system containing publications in the main disciplines studied. *(**Appendix 5.2.1**. Educational and methodological support,*
***Annex 5.2.2.** Provision of methodological materials on disciplines developed by teachers)*

5.3. Information support of OOP

OOP ensures the use of information and telecommunication technologies and technological means*:*

Students are given free access to PCs in computer rooms; to the resources of the Internet, wired and wireless technology. In the educational process of the OP, classrooms equipped with modern information and demonstration tools (multimedia screens), computer equipment, special equipment, including for artistic and research works - easels, tables, still life fund, duplicating office equipment, scanner, etc. are used.

For interaction and creation of an educational environment in the form of remote learning, DOT, public and closed video conferencing systems Zoom, Whats App, Microsoft Teams are used.
To perform CPC and individual tasks, synchronously and / or asynchronously use the educational portal AVN, KELBIL *(or other systems - specify which are most often used*)

5.4. Logistics of OOP.

I. Razzakov KSTU has a material and technical base that ensures the conduct of all types of disciplinary and interdisciplinary training, laboratory, practical and research work of students, provided for in the curriculum, and corresponding to the current sanitary and fire rules and norms.

The material and technical base of the UOC-HSD corresponds to the list of minimum necessary for the implementation of OOP training of specialists and includes:

- auditorium for painting and drawing for 12-15 people;
- computer design audience; (at least 13 comps)
- Audience of "Environment Design"
- classrooms for 15-20 students;
- graphic design audience;
- warehouse for mock-ups and samples of design products.
- Specially equipped classrooms and auditoriums for studying humanitarian and socio-economic disciplines;
- Sports halls, sports grounds;

UOC GSD has 2 computer classes and provides Access to the Internet for 164 full-time students.

Laboratories and auditoriums comply with sanitary and fire rules and regulations: an evacuation plan from classrooms, there are classroom passports, instructions and journals on HSE, instruction is carried out twice a year.
Classrooms are equipped with the necessary equipment, furniture and appliances to ensure the implementation of OOP – ***Appendix 5.4.***

6. Characteristics of the environment of the educational structural unit, ensuring the development of general cultural competencies of graduates.

The socio-cultural environment of KSTU and favorable conditions for personal development and regulation of socio-cultural processes that contribute to strengthening the civic, moral, and general cultural qualities of students under the program have been created for training under the educational program. Training of a competitive specialist is impossible without professional, creative and labor education. This educational direction is implemented, first of all, by introducing students to future professional work and related social functions. According to the developed plans, educational work at the level of student groups is organized by curators, academic advisors of groups appointed from among the most experienced teachers. The plan of educational work for the year includes traditional events, takes into account the age and psychological characteristics of students, priorities in youth policy, memorable dates of the history of the country and the university, provides for a cycle of events on civil-patriotic, cultural-moral, professional and labor education of students, career guidance, scientific and methodological support, social protection of students, improvement of material the technical base of educational work. The purpose of educational activity in KSTU named after I. Razzakova is achieved through activities implemented in the following areas:

– patriotic, educational;

– implementation of a set of measures for the social and academic adaptation of students at the university;

– formation of conditions for creative self–realization and active employment of students during extracurricular time;

- comprehensive development of student self-government;

–sports and recreation work;

– formation of the desire for a healthy lifestyle and prevention of negative phenomena in the youth environment;

- carrying out measures to counteract manifestations of extremism and terrorism; – organizing competitions among students for the title of the best course, the best group; – regular and mass participation of students in citywide and regional youth and student events: Students' Day, Spring-Alatoo, etc. various festivals, forums, Olympiads, conferences, contests, exhibitions, championships, universiades, etc.

7. A system for assessing the quality of mastering the OOP by students in the direction (specialty) of training

In accordance with the Regulations on the current control and intermediate certification of students at the I. Razzakov KSTU, the assessment of the quality of the development of the OOP by students includes current and boundary control of academic performance, intermediate and final state certification of students.

7.1. Assessment funds for the ongoing monitoring of academic performance and intermediate certification

In accordance with the requirements of the State Higher Educational Institution for the certification of students for compliance of their personal achievements with the step-by-step requirements of the relevant OOP, educational structural units create evaluation funds for conducting current and boundary control of academic performance and intermediate certification. These funds include: control questions and standard tasks for practical classes, laboratory and control works, colloquiums, exams; tests and computer testing programs; approximate topics of term papers / projects, abstracts, etc., as well as other forms of control that allow assessing the degree of formation of students' competencies.

Evaluation tools accompanying the implementation of the OOP should be developed to check the quality of competence formation and be an effective means not only of evaluation, but also of training.

7.2 Final state certification of graduates of the PLO.

The final certification of a graduate of a higher educational institution is mandatory and is carried out after mastering the educational program in full. According to the regulations on the final state attestation at the I. Razzakov KSTU, the final attestation tests are designed to determine the general cultural and professional competencies of the bachelor, which determine his readiness to solve professional tasks established by the State Higher Education Institution, contributing to his stability in the labor market and continuing education in graduate/postgraduate studies.

The final state certification includes the final state examination in the field of training and the defense of the bachelor's final qualifying work.

The purpose of the final state exam is to check the theoretical and practical readiness of the graduate to carry out professional activities. The exam is conducted by the State Attestation Commission within the time limits stipulated by the working curriculum in the direction of training 570 400 "Design". In the process of the state exam, the possession of a number of professional competencies defined for the graduate is assessed.

The purpose of the final qualification work is to establish the level of preparation of the graduate to perform professional tasks and compliance of his training with the requirements of the State Educational Standard of Higher Professional Education approved by the Ministry of

Education and Science of the Kyrgyz Republic, as well as the basic educational program in the direction of training 570 400 "Design", developed on its basis. The requirements for the content, volume and structure of the final qualifying work were approved by the decision of the Scientific and Methodological Council of the I. Razzakov KSTU. As a result of the preparation and defense of the final qualifying work, the student must:

To know:

- main themes and trends, periodization in the history of art and design, trends in the development of modern art and design.
- fundamentals of the theory of light and color and their application in art and design;
- fixed assets, types and elements of the composition.
- general theoretical and profile fundamentals of design design;
- the stage-by-stage sequence of object development;
- the main modern trends in the field of design and the profile industry.

Be able to:

- solve the main types of design tasks:
- design the design of industrial products (subject, series, collection, etc.);
- graphic objects, systems, visual communication tools;
- design objects and design objects taking into account ergonomic factors (relevant to the profile).
- identify design challenges, create and develop ideas in the form of project proposals to solve design problems.

Able to do/demonstrate:

- techniques of volumetric or graphic modeling of the shape of the object corresponding to the organization of the project material for the transfer of the creative design idea;
- skills in developing design solutions (relevant to the profile);
- possession of the standard computer software for the profile industry of design design (vector, raster graphics or three-dimensional computer modeling in accordance with the profile of training)

The final qualification work is performed during the period of internship, term papers (projects) or research work and is an independent and logically completed work related to solving the tasks of the type of activity for which the graduate is preparing (educational and professional, research, design, organizational and technological, etc.).

When performing and defending the final qualifying work, the student must show his willingness and ability, relying on the formed general cultural and professional competencies, independently solve the tasks of his professional activity at the modern level, professionally present special information, scientifically argue and defend his point of view.

8.Terms and definitions

Academic reputation is the level of quality of educational services provided in the public consciousness or professional community.

Academic calendar - a calendar of educational and control events, professional practices, state certification during the academic year, indicating the days of rest (holidays and holidays).

Academic advisor is a teacher who performs the functions of an academic mentor, assisting in the selection of a learning trajectory (the formation of an individual curriculum) and the development of an educational program during the training period.

Institutional accreditation is a procedure for recognition by an accreditation agency of compliance with the quality level of an educational organization as a whole with certain criteria, standards and its status.

Program accreditation is a procedure for the accreditation agency to recognize the compliance of individual programs of an educational organization with certain criteria and standards

Analysis is the process of determining, collecting and preparing data to evaluate the educational goals of the program and the achieved learning outcomes of students. Effective analysis uses appropriate direct, indirect, quantitative and qualitative parameters suitable for the measured goals and results.

Bachelor's degree is the qualification level of higher professional education, which gives the right to enter the master's program and carry out professional activities