

**Ministry of Higher and Secondary Special Education of the Republic of  
Uzbekistan**

**Ministry of Health of the Republic of Uzbekistan**

**Bukhara State Medical Institute**

**60910100– Dentistry (by directions)  
qualification requirements of undergraduate education**

**Bukhara-2024**

## **DEVELOPED**

Bukhara State Medical Institute

### **CONFIRMED AND IMPLEMENTED:**

Council of Bukhara State Medical Institute 2024 "\_30\_" approved at the meeting of \_\_1\_\_ on \_\_08\_\_

### **INTRODUCED:**

Bukhara State Medical Institute

The requirements of this qualification are "Basic rules of the state educational standard of higher education", "Higher education is the standard of state education. Fields and specialties of higher education classification", National and sectoral competence frameworks (framework) of the Republic of Uzbekistan, professional standards and production to the proposals of personnel customers and is an official normative-methodical document.

The right to officially publish qualification requirements in the territory of the Republic of Uzbekistan

It belongs to the Ministry of Higher Education, Science and Innovation of the Republic of Uzbekistan.

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## **1. General description**

60910100 - Full-time training of undergraduates in dentistry is done in the form The form of education is organized on the basis of the credit-module system. The standard duration of a full-time bachelor's program is 5 years.

### **1.1. Field of application**

#### **1.1.1. Application of the qualification requirement**

Qualification requirement 60910100 - Preparing bachelors in dental education represents a set of requirements for all medical and pharmaceutical higher education institutions.

#### **1.1.2. Key users of the qualification requirement:**

Development of qualification requirements, curriculum and training programs for this field of education exit and update, based on them to effectively implement and update the educational process responsible, as well as within the scope of his competence, the higher one who responds to the level of preparation of the graduates management staff of the educational organization (rector, vice-rectors, head of the registrar's office, deans and department heads) and professors;

of the higher education organization that adopts the curriculum and science programs of the educational direction students;

the State that evaluates the level of preparation of bachelor's graduates attestation commissions;

competent state bodies for education management;

bodies providing financing of higher education organizations;

competent state bodies that control the accreditation and quality of the higher education system;

personnel customers and employing organizations and enterprises;

applicants entering higher education institutions, their parents and others interested parties.

### **1.2. Description of professional activities.**

#### **1.2.1 Fields of professional activity:**

60910100 - Dental Education - Science and Health Science and diagnosis of dental diseases among the population in healthcare institutions and medical problems of patients with extensive use of modern methods of treatment solving the main tasks, dental care and dispensary monitoring activities complex for improving the quality of methods and methods (treatment-prophylactic, medical-social). solving problems, Academy of Sciences of the Republic of Uzbekistan and scientific research centers, participation in scientific-research works in scientific-production associations and state and covering a complex of professional fields related to complex issues in non-state medical institutions takes Modern achievements of science, technology and technology, personnel Based on the requirements of the customers, bachelors are assigned to the fields of professional activity . There may be additional changes.

### **1.2.2. Objects of professional activities:**

60910100 — Graduates of undergraduate studies in dentistry After completing the bachelor's education in the field of in case of passing the training, pedagogy for teaching general professional and specialized subjects determined by the competent management bodies of education in professional educational institutions will have the right to engage in activities.

### **1.2.3. Types of professional activities:**

- organizational management;
- medical-prophylactic;
- quick and urgent medical care;
- diagnosis and treatment;
- rehabilitation;
- medical and social;
- scientific research activities

Modern achievements of science, technology and technology, personnel depending on the requirements of the customers, the professional activities of the bachelors There may be additional changes. Bachelors of education certain types of professional activities with interested participants of the educational process determined by the medical and pharmaceutical higher education institution in cooperation.

### **1.2.4. Professional duties.**

60910100 - 6th of the National Qualifications Framework for Dentistry in accordance with the qualification level and fields, objects and types of bachelor's professional activities A bachelor's degree graduate should be able to perform the following professional tasks:

#### **In organizational and management activities:**

knowledge of current issues of civil society, development of the Republic of Uzbekistan having an active outlook on life based on strategy;

to have systematic philosophical knowledge related to the worldview, to be able to analyze independently, being able to take them into account in his professional activity;

knowledge of the history of the homeland, issues of spiritual national and universal human values able to express his opinion and justify it scientifically, an active life based on the national independence spirithave a point of viewlysh;

It is natural to understand the essence of documents and works related to professional activities in one of the foreign languages to have the necessary knowledge within the scope of professional activity in scientific sciences and from them able to use modern scientific basis in life and professional activities;

to have mastered the methods of information collection, storage, processing and their use, own able to make independent decisions in professional activities;

has a competitive general professional training in the relevant bachelor's field to be;

able to independently acquire new knowledge, work on oneself and work on a scientific basis able to organize;

organizing the implementation of industry-related innovations;

scientific imagination about a healthy lifestyle and the need to follow it must have the education and skills of faith, physical training;

work in treatment and prevention institutions at the primary level of the health care system organization and management;

management in the field of medicine in accordance with the trends of socio-economic development improvement;

planning, analysis and reporting of key indicators of population health must have the ability to prepare.

#### **In medical and preventive activities:**

health, promotion of a healthy lifestyle among the population, as well as dental culture, sanitary-hygienic education, rational nutrition, struggle with harmful habits, teenagers organization of measures for health promotion, mother and child health protection and implementation;

primary, secondary and tertiary in the primary link of the health care system development of preventive measures;

measures to prevent common dental diseases among the population implementation;

preventive and targeted medical for early detection of chronic dental diseases conducting an examination, general dispensation of the population;

Introduction of advanced, modern technologies in medical and preventive activities.

#### **In the activity of quick and emergency medical care:**

timely identification of urgent cases;

providing emergency medical care before the hospital;

providing emergency dental care to the population before the hospital;

must have hospital referral skills as directed.

#### **In diagnostic and treatment activities:**

early diagnosis of dental diseases among the population;

use of modern diagnostic methods in the activities of a general practice dentist;

correct common dental diseases using modern methods treatment;

examination and treatment of patients together with specialists according to the instructions;

have the skills to use evidence-based medical standards in their work must be.

#### **In rehabilitation activities:**

instructions for carrying out rehabilitation measures for dental diseases and correct determination of contraindications and terms;  
full implementation of rehabilitation measures;  
to the ability to use modern methods in the rehabilitation of patients must have.

**In medical and social activities:**

organization and provision of medical and social services in cooperation with social sphere protection bodies and mercy services;  
restoration and development of physical, medical, social and psychological prestige among the population should have abilities.

**In scientific and research activities:**

on topics related to information protection in scientific-research institutes and scientific centers participation in scientific research;  
modern management system of subjects of all branches of health care scientific and technical achievements in the country and in foreign countries dedicated to providing, specially study and systematization of literature and other scientific and technical information;

It is problematic to ensure the modern management system of industries and sectors collection, restoration, analysis and systematization of economic information on topics implementation;

targeted information about the latest scientific achievements on the Internet search and find without;

conducting experimental research in research institutes and scientific centers, their results processing, evaluation and performing other types of professional activities;

carrying out activities on participation in the implementation of research results and developments must have the ability.

**2. Requirements for professional competencies:**

the field of study was necessary for the study and in-depth acquisition of specialization formation of fundamental general professional knowledge, practical skills and studies;

in oral and written form, following the rules and standards of the state language, opinions, opinions, able to logically, correctly, reasonably and clearly state and express ideas, proposals, definitions and conclusions;

knowledge of the implementation of ethics and deontological principles in professional activities, medical knowledge of the rules of document management;

to know the methods of collecting, storing, processing and using information and to be able to make independent decisions in their activities;

morphofunctional, physiological in the human body to solve professional problems knowledge of assessment of cases and pathological processes;

use of medical equipment provided for the provision of medical care to have skills;

the ability to assess morphofunctional, physiological conditions and solve professional problems to know the pathological processes in the human body;

readiness to use the medical devices provided in the procedures dental diseases provide medical assistance to patients suffering from;

willingness to use drugs and others medically in solving professional problems ability to use combinations of substances and compounds;

health care and strengthening, formation of a healthy lifestyle, dental prevention of the origin and spread of diseases, their early diagnosis, their origin determining the causes of emergence and development, as well as environmental factors affecting human health the ability to implement a set of measures aimed at eliminating its harmful effects and readiness;

analysis and public presentation of medical data based on evidence-based medicine willingness to do;

ability and readiness to conduct preventive medical examinations, medical examinations and dental dispensary and dispensary control of patients with pathology;

collection of data on dental diseases and medical-statistical analysis able to use social and hygienic methods of doing patient's complaints, medical history, examination results, laboratory, instrumental, pathoanatomical and other studies of the condition or dental disease to be able to determine the presence or absence;

according to the international statistical classification of diseases and health problems the main pathological conditions, symptoms, syndromes of dental diseases in patients, have the ability to determine nosological forms lysh;

to conduct a temporary disability examination, to participate in a medical and social examination, willingness to determine the biological death of a person determine management tactics for patients with various dental diseases;

suffered from dental diseases in outpatient and day hospital conditions readiness to manage and treat patients;

including readiness to participate in emergency medical care participation in medical evacuation;

in patients with dental diseases who need medical rehabilitation and spa treatment use of natural therapeutic factors, medicinal, non-medicinal therapy and other methods willingness to determine the need;

health maintenance and basic hygienic measures of nature that make the population healthier self-monitoring of the main physiological indicators that help to stimulate willingness to teach skills to prevent dental diseases;

to eliminate risk factors and develop healthy lifestyle skills readiness for educational activities;



in the field of public health protection, medical organizations and their structures to be able to apply the basic principles of organization and management in departments in assessing the quality of dental care using basic medical and statistical indicators willingness to participate It is a new method and technique aimed at protecting the dental health of the population planning, coordination and control of the development and implementation process must have the ability.

### 3. Requirements for practices

Qualified practice - strengthening of theoretical knowledge from general and specialized subjects and coordination with practical (production) processes, relevant practical skills, focuses on the formation of competencies and skills.

The following internships are conducted in the field of education:

1. Educational dating practice
2. Production (qualification) practice
3. Pre-graduation practice

### 4. The structure of the catalog of subjects:

No	Qualification code of subject	Educational subjects blocks and types of activities names	The size of the total load, in hours	Credit quantity	semester
<b>1.00</b>		<b>Compulsory subjects</b>	<b>7830</b>	<b>261</b>	<b>1-10</b>
<b>1.1.</b>		<b>Humanities and Social Sciences Module</b>	<b>480</b>	<b>16</b>	<b>1-3</b>
1.1.01	O'YaTI104	The latest history of Uzbekistan	120	4	1
1.1.02.	FA1204	Philosophy	120	4	2
1.1.03.	DIN1304	Religious studies	120	4	3
1.1.04	O'RTI104	Uzbek (russian) language	120	4	1
<b>1.2</b>		<b>Pre-clinical sciences module</b>	<b>2190</b>	<b>73</b>	<b>1-5</b>
1.2.01.	TB FT AT 1104	Medical and biological physics. Information in medicine technologies	120	4	1
1.2.02.	LOTTI 102*	Latin language and medical terminology	60	2	1
1.2.03.	AN1123011	Human anatomy 1,2,3	330	11	1,2,3
1.2.04.	KLAN1404	Clinical anatomy	120	4	2,3
1.2.05.	TBG.GIS112308	Medical biology. Histology, cytology and embryology	240	8	2,3
1.2.06.	TBK12308	Medicinal Chemistry. Biological chemistry	240	8	4,5
1.2.07.	FIZ12308	Physiology- YuJS physiology	240	8	4,5
1.2.08.	PATFIZ1406	Pathological physiology	180	6	4
1.2.09.	PATAN 1406	Pathological anatomy	180	6	5
1.2.10.	MBV1404	Microbiology, virology, immunology	120	4	3

1.2.11.	FAR 1504	Pharmacology	120	4	4
1.2.12.	GTE 1304	Hygiene. Medical ecology	120	4	3
1.2.13.	JSSMT 1404	Organization of public health and health care reach	120	4	4
<b>1.3.</b>		<b>Clinical (specialty) science module</b>	<b>5160</b>	<b>172</b>	<b>1-10</b>
1.3.1	TER.KF 15608	Therapy. Clinical pharmacology	240	8	5,6
1.3.2.	PED.TG1804	Pediatrics. Medical genetics.	120	4	8
1.3.3.	DERM1603*	Dermatovenereology	60	2	6
1.3.4.	YQMKASI1702*	Infectious diseases. Epidemiology	60	2	7
1.3.5.	NERV.RBT1705	Neurology. Rehabilitation	150	5	7
1.3.6.	PSXNR1702*	Psychiatry, narcology	60	2	7
1.3.7.	STVF1602*	Forensic medicine and legal practice of the doctor basics	60	2	6
1.3.8.	TRAD1503*	Medical radiology	90	3	5
1.3.9.	XIR.TTY.15606	Surgery. Neursurgery. Emergencymedical assistance	180	6	5,6
1.3.10.	AKSH1702	Obstetrics	60	2	7
1.3.11.	ORL1903	Otorhinolaryngology	90	3	8
1.3.12.	OFT1903	Ophthalmology	90	3	8
1.3.13.	SKI 104	Introduction to Dentistry	90	3	1
1.3.14.	PRS11208	Preclinical restorative dentistry	240	8	1,2
1.3.15.	KRS13408	Clinical restorative dentistry	240	8	3,4
1.3.16.	KE16708	Clinical endodontics	240	8	5,6
1.3.17	SKP15608	Prevention of dental diseases	240	8	5,6
1.3.18.	PD17808	Periodontology	240	8	7,8
1.3.19.	OBSHPK191008	Diseases of the mucous membrane of the oral cavity	240	8	9,10
1.3.20	BKAR1804	Cariesology of children	120	4	8
1.3.21.	BGTS191008	Children's hospital therapeutic dentistry	240	8	9,10
1.3.22.	XS15679	Surgical dentistry	270	9	5,6,7
1.3.23.	BJS19108	Children's surgical dentistry	240	8	9,10
1.3.24.	YJKJ17808	Jaw diseases and injuries	240	8	2,3
1.3.25.	YJJ191008	Maxillofacial surgery	240	8	5,6
1.3.26.	OSP12308	Orthopedic dentistry propaedeutics	240	8	7
1.3.27	FOS1.15606	Faculty of orthopedic dentistry 1	180	6	9,10
1.3.28.	FOS21704	Faculty of orthopedic dentistry 2	120	4	8,9
1.3.29.	GOS191008	Hospital orthopedic dentistry	240	8	9,10
1.3.30	ORT 18908	Orthodontics	240	8	8,9
<b>2.00</b>		<b>Selective subjects</b>	<b>600</b>	<b>20</b>	<b>3,4,5,8-10</b>

		<b>Total</b>	<b>8430</b>	<b>281</b>	
		<b>Qualifying practice</b>	570	19	1-10
		<b>Final state certification</b>	0	0	
		<b>total</b>	<b>570</b>	<b>19</b>	
		<b>TOTAL</b>	9000	300	
	Qualification	General dentist			

## **Bibliographic information**

### **Key words:**

Type of professional activity, competence, module, educational direction, object of professional activity, professional field of activity, basic curriculum and study programs of the bachelor, profit, qualification requirements, educational process, quality assessment and control of bachelor's degree, independent education, medical knowledge, health care system, practical skills, organizational and management activities, treatment activities, medical and preventive activities, rapid and emergency medical assistance activities, rehabilitation activities, research activities, disease, treatment facilities, prevention, treatment methods, diagnosis.

Dentistry, general practice dentist, tools and equipment, therapeutic dentistry, orthopedics, orthodontics, children's dentistry, surgical dentistry, tooth, gum, root, prosthetics, maxillofacial, oncology, inflammation, diseases, periodontium, caries, filling, burs, pulpitis, periodontitis, caries, mucous membrane of the oral cavity, bite, phantom models, arch, bridge dental prosthesis, periodontology, dental implantology, occluder, artificial tooth, articulator, mold, temporomandibular joint.