

PRIVATE ESTABLISHMENT OF HIGHER EDUCATION
"KHARKIV INSTITUTE OF MEDICINE AND BIOMEDICAL SCIENCES"



STUDY PROGRAM
"DENTISTRY"

LEVEL OF HIGHER EDUCATION	second (master's)
DEGREE OF HIGHER EDUCATION	master
BRANCH OF KNOWLEDGE	22 "Health care"
SPECIALTY	221 "Dentistry"
EDUCATIONAL QUALIFICATION	master of dentistry
PROFESSIONAL QUALIFICATION	dentist
FORM OF EDUCATION	daytime

APPROVED

Scientific Council of PZVO "KHIMBN"
Chairperson of the Academic Council

_____ V. OSTAPENKO
(dated 30.09.2022, No. 01)

Entered into force by Order
dated 30.09.2022 No. ____

PREFACE

Pursuant to Article 10 of the Law of Ukraine dated July 1, 2014 No. 1556-VII "On Higher Education" and for the purpose of implementing the Resolution of the Cabinet of Ministers of Ukraine dated April 29, 2015 No. 266 "On Approval of the List of Fields of Knowledge and Specialties for which Higher Education Candidates are Trained" an educational and professional program and curriculum for the training of specialists of the second (master's) level of higher education in the field of knowledge 22 "Health care" in institutions of higher education with the specialty 221 "Dentistry" of the educational qualification "Master of Dentistry", professional qualification "Dentist" was developed. The specified educational and professional program and curriculum were prepared on the basis of the standard of higher education of the second (master's) level of training for higher education holders of the "Master's" educational degree in the field of knowledge 22 "Health care" in the specialty 221 "Dentistry", prepared in compliance with the order of the Ministry of Health of Ukraine dated 09.11.2015 No. 733 "On the formation of coordination and working groups for the formation of a list of specializations and proposals for higher education standards in the field of knowledge "Health care" and adopted at the XIII All-Ukrainian scientific and practical conference with international participation "Current issues of the quality of medical of Education" (May 12-13, 2016, Ternopil) and taking into account the requirements of Article 13 "Powers of the central body of executive power in the field of education and science, other bodies whose management spheres include higher educational institutions" of the Law of Ukraine "On Higher Education" to ensure the implementation of the requirements of the third paragraph of the second part of Article 56 and the seventh part of Chapter XV "Final and Transitional Provisions" of the Law of Ukraine "On Higher Education" in the activities of higher educational institutions of the Ministry of Health of Ukraine.

The educational and professional program was developed by a working group consisting of: Head of the project group (guarantor of the educational program)

LUBCHENKO Olha, Doctor of Medical Sciences, specialty "Dentistry", Professor

Members of the project team:

1. KAMINA Tetiana, Candidate of Medical Sciences, Associate Professor
2. ZAHAINOVA Natalia, Candidate of Medical Sciences

1. Profile of the educational program in specialty 221 "Dentistry"

1 - General information	
Full name of the institution of higher education	Private establishment of higher education "Kharkiv Institute of Medicine and Biomedical Sciences"
The degree of higher education and the title of the qualification in the original language	The degree of education is a master's degree. Educational qualification – Master of Dentistry Professional qualification – Dentist Diploma qualification – Master of Dentistry. Dentist.
The official name of the educational program	Educational and professional program of the second level of higher education for the preparation of masters in the specialty 221 "Dentistry"
Type of diploma and scope of the educational program	Master's degree, single, 300 ECTS credits, study period 5 years
Availability of accreditation	Accreditation is provided by the National Agency for Quality Assurance of Higher Education of Ukraine. The accreditation period is 5 years
Cycle/level	NRK of Ukraine – 7th level, FQ-EHEA – second cycle, EQFLLL – 7th level
Prerequisites	Requirements for previous education: complete general secondary education according to the results of the ZNO certificates; or the educational and qualification level of a junior specialist (junior bachelor) in the relevant specialty of the medical field based on the results of the entrance exams.
Language(s) of instruction	Ukrainian, English
The term of validity of the educational program	5 years
Internet address of the permanent placement of the description of the educational program	https://khim.edu.ua/study-program/
2 - The purpose of the educational program	
Formation of the ability to apply acquired knowledge, abilities, skills and understanding from the humanitarian, fundamental and professionally-oriented components of the educational program to solve typical tasks of a dentist in the	

field of health care in the relevant position, the scope of which is provided by the specified lists of syndromes and symptoms of diseases , dental diseases, physiological conditions and somatic diseases, emergency conditions, laboratory and instrumental research, medical and dental manipulations.

3 – Characteristics of the educational program

<p>Subject area (field of knowledge, specialty, specialization)</p>	<p>Specialty 221 Dentistry, Field of knowledge 22 Health care, multidisciplinary.</p> <p>The objects of activity are: preservation of health, in particular dental health, prevention, diagnosis and treatment of human dental diseases.</p> <p>Learning goals: training of a specialist capable of solving complex tasks and problems in the field of dentistry and health care or in the process of training, characterized by uncertainty of conditions and requirements, to perform the professional activities of a dentist.</p> <p>Theoretical content of the subject area: knowledge of humanitarian, fundamental (natural and social) and clinical sciences on issues of public health, prevention, diagnosis and treatment of human dental diseases at the individual, family and population level, necessary for the professional activities of a dentist. Formation of the ability to apply acquired knowledge, abilities, skills and understanding from the humanitarian, fundamental and professionally-oriented components of the educational program to solve typical tasks of a dentist in the field of health care in the relevant position, the scope of which is provided by the specified lists of syndromes and symptoms of diseases , dental diseases, physiological conditions and somatic diseases, emergency conditions, laboratory and instrumental research, medical and dental manipulations. The theoretical content of the subject area consists of educational normative and selective components of the educational program of cycles of general and professional training.</p> <p>Methods, techniques, technologies and tools: anamnestic, clinical, laboratory, X-ray and functional methods of diagnosis according to the protocols of providing medical care; technologies of diagnosis, treatment and prevention of dental diseases, management and organization of work in the field of health care. The graduate must possess professional knowledge and be able to carry out the diagnostic process, determine the leading symptoms and syndromes, determine the preliminary diagnosis, carry out differential diagnosis, formulate the final clinical diagnosis of dental diseases</p>
--	---

	<p>under the supervision of the supervising physician, know the principles of treatment and prevention of dental diseases, carry out treatment of the main dental diseases by making a reasoned decision based on existing algorithms. Tools and equipment: a student of higher education with a Master's degree in the specialty 221 Dentistry must use modern diagnostic, therapeutic and other devices, objects and devices for professional activities.</p>
Academic rights of graduates	<p>For further professional training in a specialty, a dentist must enrol in postgraduate programs, where training is carried out according to educational programs in the dental profile.</p> <p>Continuation of education at the third (educational and scientific) level of higher education.</p> <p>Acquisition of additional qualifications in the postgraduate education system.</p>
Orientation of the educational program	<p>The graduate must possess professional knowledge and be able to carry out the diagnostic process, determine the leading symptoms and syndromes, determine the preliminary diagnosis, carry out differential diagnosis, formulate the final clinical diagnosis of dental diseases under the supervision of the supervising physician, know the principles of treatment and prevention of dental diseases, carry out treatment of the main dental diseases by making a reasoned decision based on existing algorithms.</p>
The main focus of the educational program and specialization	<p>The educational program is aimed at the possibility of creating an individual educational trajectory.</p> <p>Complete higher medical education.</p>
Features of the program	<p>The program provides theoretical, practical and research training, only full-time education. Mobility under international exchange programs is possible.</p> <p>The program is taught in Ukrainian and English.</p>
4 – Suitability of graduates for employment and further education	
Suitability for employment	<p>After training in the internship, the specialist is assigned the qualification "dentist", who is able to perform the professional work specified in DC 003:201 O and can hold the corresponding medical position: 2222.2 Dentist. After completing the internship and obtaining the qualification of a dentist, specialists can undergo specialization and perform the appropriate professional work of a dentist of a certain specialty, which is specified in the currently valid National Classifier of Ukraine</p>

	"Profession Classifier", and hold the corresponding medical position.			
Further education	After graduating from the educational program, the graduate can enrol in postgraduate education programs (internship), where training is carried out according to educational programs for the training of a dentist. After completing the internship in the specialty "Dentistry", the specialist has the right to: undergo specialization and perform the CORRESPONDING professional work of a dentist of a certain specialty, which is specified in the current National Classifier of Ukraine "Classifier of Professions", to hold a corresponding medical position; can enrol in a program to obtain the degree of Doctor of Philosophy; acquire another specialty, which makes it possible to hold a relevant medical position and perform relevant professional work.			
5 – Teaching and assessment				
Teaching and learning	Competent, student-centred, problem-oriented approaches and proactive self-learning. The educational process is carried out in the following forms: interactive scientific and cognitive lectures, practical classes in small groups, independent work, consultations with teachers, writing disease histories, educational and industrial practices.			
Assessment	Points on the Institute grading scale	ECTS grade / ECTS grade	Descriptor / Descriptor	Awarding of credits
	180 - 200	A	Excellent / Excellent	Enrolled / Passed
	170 - 179	B	Very good / Very Good	
	160 - 169	C	Good	
	141 - 159	D	Satisfactory / Satisfactory	
	120 - 140	E	Sufficiently	
	100 - 119	Fx	Unsatisfactory with possible re-passing of final assessment	Not enrolled / Failed
	<100	F	Unsatisfactory with the mandatory repeated study of discipline	
Tests, differentiated tests, exams, certification in the form of a single state qualification exam.				
6 – Software competencies				
Integral competence	The ability to solve complex tasks and problems in the field of health care in the specialty 221 "Dentistry" in professional activity or in the learning process, which involves conducting research and/or implementing innovations and is characterized by the uncertainty of conditions and requirements.			

<p>General competences (GC)</p>	<ol style="list-style-type: none"> 1. Ability to abstract thinking, analysis and synthesis. 2. Knowledge and understanding of the subject area and understanding of professional activity. 3. Ability to apply knowledge in practical activities. 4. Ability to communicate in the national language both orally and in writing. 5. Ability to communicate in English. 6. Skills in using information and communication technologies. 7. Ability to search, process and analyse information from various sources. 8. Ability to adapt and act in a new situation. 9. Ability to identify, pose and solve problems. 10. Ability to be critical and self-critical. 11. Ability to work in a team. 12. Efforts to preserve the environment. 13. The ability to act socially responsibly and consciously. 14. The ability to realize one's rights and responsibilities as a member of society, to realize the values of a civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms of a person and a citizen in Ukraine. 15. The ability to preserve and multiply moral, cultural, scientific values and achievements of society based on an understanding of the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and technology, to use various types and forms of motor activities for active recreation and leading a healthy lifestyle.
<p>Professional competences of the specialty (FC)</p>	<ol style="list-style-type: none"> 1. Ability to collect medical information about the patient and analyse clinical data. 2. Ability to interpret the results of laboratory and instrumental research. C. The ability to diagnose: determine preliminary, clinical, final, concomitant, emergency conditions. 4. The ability to plan and carry out measures for the prevention of diseases of the organs and tissues of the oral cavity and maxillofacial area. 5. The ability to design the process of providing medical care: determine proceeds, plan, types and principles of treatment of diseases of the organs and tissues of the oral cavity and ASHL.

	<p>6. The ability to determine a rational regimen of slings, rest, and diet in patients in the treatment of diseases of the organs and tissues of the oral cavity and ASHL.</p> <p>7. The ability to determine the tactics of management patients with diseases of the organs and tissues of the oral cavity and ALS with accompanying somatic diseases.</p> <p>8. Ability to perform medical and dental manipulations.</p> <p>9. The ability to treat the main diseases of the organs and tissues of the oral cavity</p> <p>10. Ability to organize and carry out medical evacuation measures.</p> <p>11. Ability to determine tactics, method and providing emergency medical care.</p> <p>12. The ability to organize and conduct screening examination in dentistry.</p> <p>13. The ability to assess the impact of the environment on the state of health of the population (individual, family, population).</p> <p>14. Ability to maintain regulatory medical documentation.</p> <p>15. Processing of state, social and medical information.</p> <p>16. Ability to organize and carry out rehabilitation measures and care for patients with diseases of the oral cavity and ASHL.</p> <p>17. The ability to legally secure one's own professional activity.</p> <p>18. The ability to provide pre-medical care according to the protocols of tactical medicine.</p> <p>19. Leadership in development and implementation and innovations and their use in professional activities.</p> <p>20. The ability to participate in the scientific research, summarize and present the results.</p> <p>21. Ability to participate in other forms of scientific communication (conferences, round tables, discussions, scientific publications) in the field of dentistry and health care.</p>
7 – Program learning outcomes	
Program learning outcomes (LP)	<p>1. To highlight and identify leading clinical symptoms and syndromes; according to standard methods, using the previous data of the patient's history, the data of the patient's examination, knowledge about the person, his organs and systems, establish a probable logical or syndromic preliminary clinical diagnosis of dental disease.</p>

2. Collect information about the patient's general condition, evaluate the patient's psychomotor and physical development, the condition of the maxillofacial organs based on the results of laboratory and instrumental studies, evaluate information about the diagnosis.
3. Prescribe and analyse laboratory, functional and/or instrumental examination of a patient with a dental disease for differential diagnosis of diseases.
4. Determine the final clinical diagnosis complying with the relevant ethical and legal norms, by making a reasoned decision and logical analysis of the received subjective and objective data of clinical, additional examination, carrying out differential diagnosis under the control of the head physician in the conditions of a medical institution.
5. To establish the diagnosis of urgent conditions under any circumstances (at home, on the street, in a medical institution), in conditions of emergency, martial law, lack of information and limited time.
6. Plan and implement dental disease prevention measures among the population to prevent the spread of dental diseases.
7. Analyse the epidemiological situation and carry out measures of mass and individual, general and local drug and non-drug prevention of dental diseases.
8. Determine the nature of treatment of dental disease by making a reasoned decision according to existing algorithms and standard schemes.
9. To determine the nature, principles of the regime of work, rest and necessary diet in the treatment of dental diseases by making a reasoned decision according to existing algorithms and standard schemes.
10. To carry out treatment of basic dental diseases according to existing algorithms and standard schemes under the control of the head physician in the conditions of a medical institution.
11. To organize medical evacuation measures among the population, military personnel, in emergencies, including martial law, during the advanced stages of medical evacuation, taking into account the existing system of medical evacuation support.
12. Determine the tactics of providing emergency medical care, using the recommended algorithms, under any circumstances based on the diagnosis of an emergency in a limited time.

	<p>13. Analyse and evaluate state, social and medical information using standard approaches and computer information technologies.</p> <p>14. Assess the impact of the environment on the state of health of the population in the conditions of a medical institution according to standard methods.</p> <p>15. To form goals and determine the structure of personal activity based on the result of the analysis of certain social and personal needs.</p> <p>16. Follow a healthy lifestyle, use self-regulation and self-control techniques.</p> <p>17. To be aware of and be guided in one's activities by civil rights, freedoms and duties, to raise the general educational cultural level.</p> <p>18. To comply with the requirements of ethics, bioethics and deontology in their professional activities.</p> <p>19. To organize the required level of individual safety (own and the persons one cares about) in case of occurrence of typical dangerous situations in the individual field of activity.</p> <p>20. Perform medical manipulations on the basis of a preliminary and/or final clinical diagnosis for different segments of the population and in different conditions.</p> <p>21. To perform medical dentist manipulations on the basis of preliminary and/or final clinical diagnosis for different segments of the population and in different conditions.</p> <p>22. To carry out manipulations of providing emergency medical care, using standards, schemes, under any circumstances based on the diagnosis of an emergency condition in limited time.</p>
8 – Resource support for program implementation	
Staff support	All scientific and pedagogical workers, who are involved in the implementation of the educational component of the educational program, have a confirmed level of scientific and professional activity, are mainly full-time employees of the institute
Material and technical support	The educational base of the educational program allows you to organize and conduct classes on all educational components of the educational program at the appropriate scientific and methodological level. Multimedia devices and computer equipment are used for lectures and practical classes. The classrooms are equipped with the necessary devices and equipment, there are computer classrooms. Available dental equipment for practical work.

Informational and educational and methodological support	Proper educational and methodological support (complexes) of educational components of the educational program, which contain methodological developments for lectures, seminars, practical classes, laboratory workshops, methodological instructions for independent work of applicants, individual tasks of a practical orientation; passing practices, tasks for knowledge control (examination tickets, test tasks, complex control works); modern information sources and computer equipment; a library with modern educational literature, scientific, reference and professional periodicals. The official website contains information and educational and methodological support.
9 – Academic mobility	
National credit mobility	Recognition of learning results obtained in other educational institutions within the framework of academic mobility
International credit mobility	Carrying out international mobility within the framework of international programs and cooperation agreements with universities
Education of foreign students of higher education	Training of higher education applicants is conducted in accordance with the requirements of current legislation

2. List of components of the educational program and their logical sequence

2.1. List of components of the Educational Program 221 "Dentistry"

Code o/c	The name of the educational component of the educational program	Number of ECTS credits	hours	Distribution of components of the educational program by courses				
				1 course	2 course	3 course	4th course	5th course
1. Normative educational components								
1.1. Disciplines of social and humanitarian training								
OK1	Foreign Language	3.0	90	+				
OK2	Ukrainian Language (by professional direction)	3.0	90	+				
OK3	Philosophy	3.0	90	+				
	Total	9.0	270					
1.2. Disciplines of fundamental, natural science and general economic training								
OK4	Latin Language and Medical Terminology	3.0	90	+				
OK5	Medical Biology	4.5	135	+				
OK6	Medical and Biological Physics; MEDICAL Informatics	3.0	90	+				
OK7	Medicinal Chemistry	3.0	90	+				
OK8	Biological and Bioorganic Chemistry (1 course)	3.0	90	+				
	Biological and Bioorganic Chemistry (2nd year)	4.0	120		+			
OK9	Human Anatomy	10.0	300	+				
OK10	Histology, Cytology and Embryology	6.5	195	+				
OK11	Foreign Language (by professional direction)	3.0	90	+				
OK12	Physiology	4.0	120		+			
OK13	Microbiology, Virology and Immunology	4.0	120		+			
	Total	48.0	1440					
1.3. Disciplines of professional and practical training								
OK14	Life Safety; Basics of Labour Protection	3.0	90	+				

OK15	Clinical Anatomy and Operative Surgery	3.0	90		+			
OK16	Propaedeutic of Internal Medicine	3.0	90		+			
OK17	Hygiene and Ecology	3.0	90		+			
OK18	Propaedeutic of Therapeutic Stomatology	3.0	90		+			
OK19	Propaedeutic of Orthopaedic Dentistry	3.0	90		+			
OK20	Propaedeutic of Children's Therapeutic Dentistry	3.0	90		+			
OK21	Pathomorphology (2nd year)	3.0	90		+			
	Pathomorphology (3rd year)	3.0	90			+		
OK22	Pathophysiology (2nd year)	3.0	90		+			
	Pathophysiology (3rd year)	3.0	90			+		
OK23	Pharmacology (2nd year)	3.0	90		+			
	Pharmacology (3rd year)	3.0	90			+		
OK24	Internal Medicine (3rd year)	3.0	90			+		
	Internal Medicine (4th year)						+	
	- Infectious Diseases	3.0	90				+	
	- Epidemiology						+	
	- Clinical Pharmacology						+	
OK25	Surgery (3rd year)	3.0	90				+	
	Surgery (4th year)					+		
	- Oncology	4.0	120				+	
	- Neurosurgery						+	
OK26	Social Medicine, Public Health and the Basics of Evidence-Based Medicine	3.0	90			+		
OK27	Radiology	3.0	90			+		
OK28	Forensic Medicine (Dentistry). Medical Law of Ukraine	3.0	90			+		
OK29	Prevention of Dental Diseases	3.0	90			+		
OK30	Therapeutic Dentistry (3rd year)	4.0	120			+		

	Therapeutic Dentistry (4th year)	3.0	90				+	
	Therapeutic Dentistry (5th year)	6.5	195					+
OK31	Surgical Stomatology (3rd year)	4.0	120			+		
	Surgical Stomatology (4th year)	3.0	90				+	
	Surgical Stomatology (5th year)	6.5	195					+
OK32	Orthopaedic Dentistry (3rd year)	4.0	120			+		
	Orthopaedic Dentistry (4th year)	3.0	90				+	
	Orthopaedic Dentistry (5th year)	6.5	195					+
OK33	Orthodontics (3rd year)	3.0	90			+		
	Orthodontics (4th year)	3.0	90				+	
	Orthodontics (5th year)	3.0	90					+
OK34	Physiology	3.0	90				+	
OK35	Paediatrics	3.0	90				+	
OK36	Obstetrics	3.0	90				+	
OK37	Children's Therapeutic Dentistry (4th year)	3.0	90				+	
	Children's Therapeutic Dentistry (5th year)	4.5	135					+
OK38	Children's Surgical Stomatology (4th year)	3.0	90				+	
	Children's Surgical Stomatology (5th year)	3.0	90					+
OK39	Social Medicine, Public Health	3.0	90			+		
OK40	Emergency and Urgent Medical Care	3.0	90					+
OK41	General Medical Training	8.0	240				+	
	- Ophthalmology						+	
	- Neurology, including Neurostomatology						+	
	- Dermatology, Venereology						+	
	- Psychiatry, Narcology						+	
	- Medical Psychology						+	
	- Physical Rehabilitation, Sports Medicine						+	
	- Endocrinology						+	

OK42	Otolaryngology	3.0	90		+			
OK43	Training of Reserve Officers	3.0	90		+			
OK44	Industrial Practice (2nd year). Care for Patients. Nursing Practice	3.0	90		+			
	Industrial Medical Practice (3rd year)	3.0	90			+		
	Industrial Dental Practice (4th year)	3.0	90				+	
	Industrial Dental Practice (5th year)	3.0	90					+
	Total	168	5040					
2. ELECTIVE EDUCATIONAL COMPONENTS								
	Elective component (1 course)	3.0	90	+				
	Elective component (1 course)	3.0	90	+				
	Elective component (1 course)	3.0	90	+				
	Elective component (1 course)	3.0	90	+				
	Elective component (1 course)	3.0	90	+				
	Elective component (2nd year)	3.0	90		+			
	Elective component (2nd year)	3.0	90		+			
	Elective component (2nd year)	3.0	90		+			
	Elective component (2nd year)	3.0	90		+			
	Elective component (3rd year)	3.0	90			+		
	Elective component (3rd year)	3.0	90			+		
	Elective component (3rd year)	3.0	90			+		
	Elective component (3rd year)	3.0	90			+		
	Elective component (3rd year)	3.0	90			+		
	Elective component (4th year)	3.0	90				+	
	Elective component (4th year)	3.0	90				+	
	Elective component (4th year)	3.0	90				+	
	Elective component (4th year)	3.0	90				+	
	Elective component (5th year)	4.2	126					+

	Elective component (5th year)	4.2	126					+
	Elective component (5th year)	4.2	126					+
	Elective component (5th year)	4.2	126					+
	Elective component (5th year)	4.2	126					+
	Total	75	2250					
	the total number	300	9300					

List of optional components of the educational program:

1st year (a student of higher education chooses 4 optional components):

1. Psychology of communication and conflict
2. Ukraine in the system of international relations
3. Global problems of our time
4. History of medicine
5. Academic integrity
6. Biophysics and medical equipment
7. Fundamentals of biomedical mechanics
8. Modern problems of molecular biology
9. Cellular mechanisms of structural homeostasis
10. Clinical aspects of human anatomy

2nd year (a student of higher education chooses 5 optional components, of which min 1 practice):

1. Fundamentals of electrocardiography
2. Clinical biochemistry
3. Microbiology of dental diseases
4. Embryology of oral cavity organs and teeth
5. Current issues of clinical anatomy of the head and neck
6. Ergonomics in dentistry
7. Dental equipment and materials (Practice)
8. Artistic modelling of different groups of teeth (Practice)
9. Practical aspects of dental manipulations. Asepsis, antiseptic (Practice)
10. Computer technologies in biology and medicine

3rd year (a student of higher education chooses 5 optional components, of which at least 1 practice):

1. Modern methods of complicated endodontic treatment
2. Modern methods and approaches to professional oral hygiene
3. Age-related aspects of the prevention of dental diseases
4. Materials science in dentistry
5. Professional oral hygiene. Teeth whitening (Practice)
6. Rehabilitation of patients in dentistry (practice)
7. Applied genetics
8. Cellular mechanisms of structural homeostasis
9. Clinical aspects of human anatomy
10. Psychology of stress and coping strategy

4th year (a student of higher education chooses 4 optional components, of which at least 1 practice):

1. Dietetics and nutrition in somatic diseases
2. Emergencies in the dentist's practice
3. Acute pancreatitis
4. Modern diagnostic methods in dentistry
5. Modern principles of the diagnostic process of periodontal patients
6. Peculiarities of bite in gnathology, orthopaedic dentistry
7. Peculiarities of accompanying patients with dental pathologies (practice)
8. Modern technologies of integral prosthetics (practice).
9. Odontoglyphic aspects of artistic restoration (practice).
10. Medical practice of non-drug treatment and instrumental neurophysiological studies in non-psychotic mental disorders

5th year (a student of higher education chooses 5 optional components, of which at least 1 practice):

1. Features of complications of inflammatory diseases of the maxillofacial region in childhood
2. Modern principles of preparation and obturation of root canals
3. Aesthetic dentistry - smile design
4. Assimilation and substantiation of adhesive restorative and sedwich techniques in dentistry
5. Complications of inflammatory diseases of the maxillofacial region in adulthood
6. Basic aspects of the orthopaedic protocol of dental implantation
7. Modern aspects of diagnosis, treatment and prevention of periodontal and oral mucosa diseases
8. Surgical preparation of the oral cavity for prosthetics (practice).
9. Prosthetics and aesthetic restoration of teeth using digital technologies (practice).
10. Current issues of immunology and allergology

2.2. Structural and logical scheme of the educational program

The sequence of educational activities of the recipient:

Year of study	Types of educational activities
1st year (60 ECTS credits)	Normative components of the educational program (45 ECTS credits) Elective components of the educational program (15 ECTS credits)
2nd year (60 ECTS credits)	Normative components of the educational program (48 ECTS credits) Elective components of the educational program (12 ECTS credits)
3rd year (60 ECTS credits)	Normative components of the educational program (45 ECTS credits) Elective components of the educational program (15 ECTS credits)
4th year (60 ECTS credits)	Normative components of the educational program (48 ECTS credits) Elective components of the educational program (12 ECTS credits)
5th year (60 ECTS credits)	Normative components of the educational program (39 ECTS credits) Elective components of the educational program (21 ECTS credits)

3. Form of attestation of applicants of higher education

Forms of attestation of applicants of higher education	Attestation of the educational and professional training program in the specialty "Dentistry" is carried out in the form of a single state qualification test. Attestation of the educational and scientific training program in the specialty "Dentistry" is carried out in the form of a single state qualification exam and public defense of the qualification work.
Requirements for the unified state qualification exam	The unified state qualifying exam is conducted in accordance with the Procedure for conducting the unified state qualifying exam for master's degree holders in the field of knowledge "Health Care" and consists of the following components: <ul style="list-style-type: none">• the integrated test exam "KROK", which evaluates the compliance of the quality of training of specialists with the standards of higher education and is conducted by the Testing Centre at the Ministry of Health of Ukraine;• professional English language exam, which assesses the student's competence in professional English and is

	<p>conducted by the Testing Centre at the Ministry of Health of Ukraine;</p> <ul style="list-style-type: none"> • an objective structured practical (clinical) exam of OSPcE, which assesses the graduate's readiness to carry out professional activities in accordance with the requirements of the standard of higher education by demonstrating practical (clinical) components of professional competence on a real object or on a model and is conducted by the examination commission of a higher education institution.
Requirements for qualifying work	<p>The qualification work must demonstrate the ability to solve complex tasks and problems in the field of dentistry and health care or in the process of learning, which are characterized by uncertainty of conditions and requirements and involve conducting research or implementing innovations.</p> <p>There should be no academic plagiarism, falsification and fabrication in the qualification work.</p> <p>The qualification work must be published on the official website of the institution of higher education or its structural division or in the repository of the institution of higher education.</p>

To control the quality of education, a system of second (master's) level competences in the field of knowledge 22 "Health care" in the specialty 221 "Dentistry" and corresponding blocks of content modules that make up the content of specialist training is presented. The final check is carried out during the attestation of master's students.

SQE is a state qualification exam for applicants of the second (master's) level of higher education in the field of knowledge 22 "Health care", held in accordance with the Resolution of the CMU dated March 28, 2018 No. 334 "On approval of the Procedure for conducting a single state qualification exam for holders of a master's degree of higher education in specialties of the field of knowledge 22 "Health care".

Attestation of applicants of the second (master's) level of higher education in specialties of the field of knowledge 22 "Health care" is carried out in the form of a single state qualification exam, which consists of such components as the integrated test exam "KROK"; objective structured practical (clinical) exam; professional English language exam.

The "KROK" exam is a standardized test in fundamental and clinical disciplines that tests the achievement of competencies of higher education applicants. The "STEP" exam is conducted in one or two test stages - "STEP 1" and "STEP 2". At the first stage, the level of professional competence in general

scientific (fundamental) disciplines is assessed. At the second stage, the level of professional competence in professionally oriented (clinical) disciplines is assessed.

A practical (clinical) exam is an exam that assesses a graduate's readiness to carry out professional activities by demonstrating practical (clinical) components of professional competence on a real object (person) or on a model (phantom, dummy, simulators, etc.).